

GUIDE

OIML G 18

Edition 20~~21~~²⁴X (E)

Alphabetical list of terms defined in
OIML Recommendations and Documents

Liste alphabétique des termes définis dans les
Recommandations et les Documents OIML



ORGANISATION INTERNATIONALE
DE METROLOGIE LEGALE

INTERNATIONAL ORGANIZATION
OF LEGAL METROLOGY

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Foreword

The International Organization of Legal Metrology (OIML) is a worldwide, intergovernmental organization whose primary aim is to harmonize the regulations and metrological controls applied by the national metrological services, or related organizations, of its Member States.

The main categories of OIML publications are:

- **International Recommendations (OIML R)**, which are model regulations that establish the metrological characteristics required of certain measuring instruments and which specify methods and equipment for checking their conformity. OIML Member States shall implement these Recommendations to the greatest possible extent;
- **International Documents (OIML D)**, which are informative in nature and which are intended to harmonize and improve work in the field of legal metrology;
- **International Guides (OIML G)**, which are also informative in nature and which are intended to give guidelines for the application of certain requirements to legal metrology; and
- **International Basic Publications (OIML B)**, which define the operating rules of the various OIML structures and systems.

OIML Draft Recommendations, Documents and Guides are developed by Project Groups linked to Technical Committees or Subcommittees which comprise representatives from ~~the OIML~~ Member States. Certain international and regional institutions also participate on a consultation basis. Cooperative agreements have been established between the OIML and certain institutions, such as ISO and the IEC, with the objective of avoiding contradictory requirements. Consequently, manufacturers and users of measuring instruments, test laboratories, etc. may simultaneously apply OIML publications and those of other institutions.

International Recommendations, Documents, Guides and Basic Publications are published in English (E) and translated into French (F) and are subject to periodic revision.

Additionally, the OIML publishes or participates in the publication of **Vocabularies (OIML V)** and periodically commissions legal metrology experts to write **Expert Reports (OIML E)**. Expert Reports are intended to provide information and advice, and are written solely from the viewpoint of their author, without the involvement of a Technical Committee or Subcommittee, nor that of the ~~International Committee of Legal Metrology (CIML)~~. Thus, they do not necessarily represent the views of the OIML.

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Explanatory note

This Guide lists the terms and their definitions as they have been included in the “Terminology” sections of current¹ OIML Recommendations and Documents in alphabetical order.

Each entry in the Guide has its own identification number (ID). A given identification number (ID) corresponds to a unique combination: term, definition, title of OIML publication (understood as a Recommendation or a Document) and year of issue (~~version~~edition) of this publication.

It is primarily intended as an aid to Project Group Conveners when developing terminology in drafting OIML publications under their responsibility.

~~-Annex A Drafting and presentation of terms and definitions in OIML B 6-2:2012 Directives for OIML technical work, Part 2: Guide to the drafting and presentation of OIML publications contains the rules to be applied by Project Group Conveners when developing terminology.~~

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¹ Closing date: ~~DD-MM-2018~~202Y-MM-DD

1. List of terms and its definitions

| | Term | Reference <u>to OIML Recommendation (R) or Document (D)</u> | Definition | Notes | ID |
|-------------|-------------------------------|---|---|--|--------------|
| <u>1.</u> | | <u>according to 2.6 of R 84:2003</u> | <u>the three types of resistance thermometers have the designations, nominal values of relative resistance W_{100}^1, and tolerance classes specified in Table 1²</u> | | <u>02836</u> |
| <u>1.2.</u> | absolute error | <u>according to T.22.1 of R_125:1998, T.22.1</u> | the result of a measurement minus the (conventional) true value of the measurand [VIM:1993, 3.10] | | 01638 |
| <u>2.3.</u> | absolute error of measurement | <u>according to T.7 of R_101:1991, T.7</u> | the difference between the indication of the instrument to be verified and that of the standard instrument, for the same pressure | | 01209 |
| <u>3.4.</u> | absolute error of measurement | <u>according to 2.5 of R_109:1993, 2.5</u> | the difference between the indication of the instrument to be verified and that of the standard instrument for the same pressure | | 01415 |
| <u>4.5.</u> | absolute error of measurement | <u>according to T.2.4 of R_140:2007, T.2.4</u> | result of a measurement minus a true value of the measurand <u>(VIM:2007, 2.16)</u> | <u>Note: 1.</u> —Since a true value cannot be determined, in practice a conventional true value is used. <u>2. (VIM:2007, 2.16)</u> | 02070 |

² see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|--------------------------------------|--|---|---|-----------------|
| 5.6. | absolute error of measurement | <u>according to 2.15 of R_143:2009, 2.15</u> | result of measurement minus the reference value of the measurand | | 02141 |
| 6.7. | absorbance | <u>according to 3.1 of R_100-1:2013, 3.1</u> | logarithm of the ratio of incident to transmitted radiant power, which is dependent on the path length and the concentration of the absorbing substance | | 02482511 |
| 7.8. | absorbance ($A = -\lg(1/\tau)$) | <u>according to 2.5 of R_135:2004, 2.5</u> | logarithm to base ten of the reciprocal of the transmittance <u>[ISO 6286, Table 1, No. 5]</u> | <u>Note: 1. ISO 6286, Table 1, No. 5.</u> <u>2. — Absorbance has the dimension one and is expressed with the derived coherent SI unit one (1).</u> | 01844 |
| 8.9. | absorbed braking power | <u>according to 3.8 of R_128:2000, 3.8</u> | the absorbed braking power is the mechanical input power of the ergometer at the crankshaft and is measured and displayed by the test equipment | | 01699 |
| 9.10. | absorbed dose working range | <u>according to 3.14 of R_131:2001, 3.14</u> | set of values of absorbed dose for which the error of the dosimetry system is intended to lie within specified limits | | 01755 |
| 10.11. | absorbed dose working range | <u>according to 3.14 of R_132:2001, 3.14</u> | set of values of absorbed dose for which the error of the dosimetry system is intended to lie within specified limits | | 01771 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|-----------------------------|---|---|-------|-------|
| 11.12. | absorbed dose, D | according to 4.7 of R_127:1999, 4.7 | the quotient of $d\bar{e}$ by dm , where $d\bar{e}$ is the incremental mean energy imparted by ionizing radiation to a quantity of matter of mass dm . The unit for absorbed dose is the gray (Gy), where $1 \text{ Gy} = 1 \text{ J/kg}$ | | 01681 |
| 12.13. | absorbed dose, D | according to 3.6 of R_131:2001, 3.6 | quotient of $d\bar{e}$ by dm , where $d\bar{e}$ is the incremental mean energy imparted by ionizing radiation to a quantity of matter of mass dm . The unit for absorbed dose is the gray (Gy), where $1 \text{ Gy} = 1 \text{ J/kg}$ | | 01747 |
| 13.14. | absorbed dose, D | according to 3.6 of R_132:2001, 3.6 | quotient of $d\bar{e}$ by dm , where $d\bar{e}$ is the incremental mean energy imparted by ionizing radiation to a quantity of matter of mass dm . The unit for absorbed dose is the gray (Gy), where $1 \text{ Gy} = 1 \text{ J/kg}$ | | 01763 |
| 14.15. | absorbed-dose working range | according to 4.15 of R_127:1999, 4.15 | the set of values of absorbed dose for which the error of the dosimetry system is intended to lie within specified limits | | 01689 |
| 15.16. | absorption | according to 2.1 of R_135:2004, 2.1 | transformation of radiant energy to a different form of energy by interaction with matter [ISO 6286, Table 1, No. 7] | | 01840 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----|--------------------------------------|--|---|---|--------------|
| 16. | acceptable solution | D031:2008, 3.1.1 | design or principle of a software module or hardware unit, or design or principle of a feature that is considered to comply with a particular requirement. An acceptable solution provides an example of how a particular requirement may be met. It does not prejudice any other solution that also meets the requirement | | 02168 |
| 17. | acceptance of a measuring instrument | <u>according to 1.2.4 of D0_20:1988, 1.2.4</u> | the decision and act of giving legal character to a measuring instrument after its initial verification or of reconfirming or restoring its legal character after a subsequent verification | | 00138 |
| 18. | accreditation | D001:2012, 3.1.14 | third party attestation related to a conformity assessment body conveying formal demonstration of its competence to carry out specific conformity assessment tasks [ISO 17000:2004, 5.6] | <i>Note:</i> The national accreditation system, in general, is a voluntary system which establishes the competence and impartiality of calibration laboratories to perform traceable calibrations and measurements, testing laboratories, inspection bodies, and certification bodies which perform product certification, quality systems certification or certification of personnel. Not all countries have a national accreditation system. If it exists, it should be recognized by the appropriate authorities. | 02214 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|--|--|---|--|---------------------|
| 19.18. | accreditation | according to 1.1.1 of R_147:2016, 1.1.1 | third-party attestation related to a conformity assessment body conveying formal demonstration of its competence to carry out specific conformity assessment tasks [ISO/IEC 17000:2004; 5.6] [1] | | 02789817 |
| 19. | <u>accreditation</u> | <u>according to 3.1.1 of D 34:2019</u> | <u>third-party attestation related to a conformity assessment body conveying formal demonstration of its competence to carry out specific conformity assessment tasks</u> <u>(from ISO/IEC 17000:2004, 5.6 [2] and VIML, a.19 [3])</u> | | <u>02837</u> |
| 20. | <u>accreditation body</u> | <u>according to 3.1 of D 10:2022</u> | <u>authoritative body that performs accreditation</u> <u>(ISO/IEC 17000, 4.7)</u> | <u>Note: The authority of an accreditation body can be derived from government, public authorities, contracts, market acceptance or scheme owners.</u> | <u>02838</u> |
| 21. | <u>accredited calibration laboratory</u> | <u>according to 3.34 of D 5:2022</u> | <u>laboratory that performs calibration of measuring instruments and that is formally recognized by an accreditation authority and that is competent to carry out the calibration (e.g. competence in accordance with ISO/IEC 17025:2017 [2])</u> | | <u>02839</u> |
| 20.22. | accredited laboratory | according to 1.1.10 of D0_19:1988, 1.1.10 | a testing laboratory to which accreditation has been granted | | 00134 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|---|--|---|--|-----------------------|
| 21-23. | accuracy | according to 3.1 of D0_22:1991, 3.1 | the closeness of the agreement between the result of a measurement and the conventional true value of the measurand | | 00146 |
| 24. | accuracy; measurement accuracy [VIM 2.13] | according to 3.6 of R 142-1:2025, | closeness of agreement between a measured quantity value and a true quantity value of the measurand | <p>Note 1: The concept of 'measurement accuracy' is not a quantity and is not given a numerical quantity value. A measurement is said to be more accurate when it offers a smaller measurement error.</p> <p>Note 2: The term "measurement accuracy" should not be used for measurement trueness and the term "measurement precision" should not be used for "measurement accuracy", which, however, is related to both concepts.</p> <p>Note 3: 'Measurement accuracy' is sometimes understood as closeness of agreement between measured quantity values that are being attributed to the measurand.</p> | 03705 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|-------------------------------------|--|--|---|--------------------|
| 22-25. | accuracy measurement accuracy | according to 2.1.2 of R_59-1:2016, 2.1.2 | closeness of agreement between a measured quantity value and a true quantity value of the measurand [VIM, 2.13] | <p><i>Note 1:</i> The concept of 'measurement accuracy' is not a quantity and is not given a numerical quantity value. A measurement is said to be more accurate when it offers a smaller measurement error.</p> <p><i>Note 2:</i> The term "measurement accuracy" should not be used for measurement trueness and the term "measurement precision" should not be used for "measurement accuracy", which, however, is related to both concepts.</p> <p><i>Note 3:</i> 'Measurement accuracy' is sometimes understood as closeness of agreement between measured quantity values that are being attributed to the measurand.</p> | 0241443 |
| 23-26. | accuracy | according to 3.1 of R_123:1997, 3.1 | closeness of the agreement between the result of a measurement and a true value of the measurand | | 01605 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|--|---|--|--|-------------------------------------|
| 24:27. | accuracy measurement accuracy {accuracy measurement} of | according to 2.1 of R46-1:2016, 2.1 | {—closeness of agreement between a measured quantity value and a true quantity value of a measurand [VIM, 2.13]} | <p>{NOTE 1 The concept ‘measurement accuracy’ is not a quantity and is not given a numerical quantity value. A measurement is said to be more accurate when it offers a smaller measurement error.</p> <p>NOTE 2 The term “measurement accuracy” should not be used for measurement trueness and the term “measurement precision” should not be used for ‘measurement accuracy’, which, however, is related to both these concepts.</p> <p>NOTE 3 ‘Measurement accuracy’ is sometimes understood as closeness of agreement between measured quantity values that are being attributed to the measurand.}</p> | 0275 482 |
| 25:28. | accuracy class | according to 2.2.28 of R46-1:2012, 2.2.28 | class of measuring instruments or measuring systems that meet stated metrological requirements that are intended to keep measurement errors or instrumental measurement uncertainties within specified limits under specified operating conditions | <i>Note:</i> In this Recommendation, the stated metrological requirements for accuracy class include permissible responses to disturbances. | 023 27 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|----------------|--|---|-------|---------------------|
| | | | [OIML V2-200:2012, 4.25] | | |
| 26.29. | accuracy class | according to 3.8 of R_65:2006, 3.8 | class of measuring instrument that meets certain metrological requirements that are intended to keep errors within specified limits | | 00825 |
| 27.30. | accuracy class | according to 2.4.6 R_110:1994, 2.4.6 | class of pressure balances that meet certain metrological requirements intended to keep errors within specified limits | | 01434 |
| 28.31. | accuracy class | according to 2.1 of R_111-1:2004, 2.1 | class designation of a weight or weight set which meets certain metrological requirements intended to maintain the mass values within specified limits | | 01441 |
| 29.32. | accuracy class | according to 3.10 of R_133:2002, 3.10 | class of liquid-in-glass thermometers that meet certain metrological requirements intended to keep errors within specified limits | | 01783 |
| 30.33. | accuracy class | according to 3.2.9 of R_137:2012, 3.2.9 | class of measuring instruments or measuring systems that meet stated metrological requirements that are intended to keep measurement errors or instrumental uncertainties within specified limits under specified operating conditions [VIM, 4.25] | | 026 6536 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|--|--------------------|
| 31. 34. | accuracy of a grain moisture calibration calibration accuracy | according to 2.3.1 of R_059-1:2016, 2.3.1 | performance characteristic of a calibration assessed at reference conditions | <i>Additional note:</i> The assessment requires calculation of \bar{y} , the bias over a set of test samples or the 'calibration bias', and the standard deviation of the difference (SDD) between the meter and the reference method for each of the 2-% moisture intervals which is the standard deviation of measurement errors from the same sample set. Refer to R_59-2, A.1.2 for the calculation of \bar{y} and <i>SDD</i> from measured values. The limiting values for \bar{y} and <i>SDD</i> in column 2, Table 4.4.1 shall be observed in order to deem a calibration as sufficiently accurate. | 0246637 |
| 32. 35. | accuracy of a grain protein calibration calibration accuracy | according to 2.2.1 of R_146-1:2016, 2.2.1 | performance characteristic of a calibration assessed at reference conditions | <i>Note:</i> The assessment requires calculation of , the bias over a set of test samples or the 'calibration bias', and the standard error of prediction (SEP) which is the standard deviation of measurement errors from the same sample set. | 0277199 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|------------------------------------|--|--|---|--------------|
| | | | | Refer to R_146-2, Annex_A, A.7.1 for the calculation of \bar{y} and SEP from measured values. The limiting values for \bar{y} and SEP in 4.5, Table 4 shall be observed in order to deem a calibration as sufficiently accurate. | |
| 36. | <u>across-the road speed meter</u> | <u>according to 3.4.11 of R 91-1:2025,</u> | <u>speed meter with compensation for cosine error using a measured value of the measurement angle,a configured value of the expected measurement angle or combination of the two</u> | <p><u>Note 1: A variation of measurement angle can lead to negative or positive residual cosine error for this calss of speed meters.</u></p> <p><u>Note 2: A speed meter that is installed above the road and compensates for cosine error is also referred to as across-the road speed meter, for simplicity.</u></p> <p><u>Note 3: Typical examples are most Doppler-radar based speed meters, 2D and 3D laser ecanners and image-nbased speed meters.</u></p> | <u>03736</u> |
| 33,37. | active energy | <u>according to 2.16 of R_046-1:2012,2.16</u> | active power integrated over time | <p>Note 1:</p> $E(T) = \int_0^T p(t) \cdot dt = \int_0^T u(t) \cdot i(t) \cdot dt$ | 02315 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|--------------|---|-------------------------------------|---|-------|
| | | | | <p>where: <i>E</i> is the active energy. Other symbols are as defined in 0</p> <p><i>Note 2:</i> Active energy is usually expressed in kWh or MWh. Refer to 3.1 for requirements on units of measurement.</p> | |
| 34.38. | active power | according to 2.2.15 of R0_46-1:2012, 2.2.15 | rate at which energy is transported | <p><i>Note:</i> In an electrical system active power is measured as the time mean of the instantaneous power, which is calculated at each instant as the product of voltage and current:</p> $p(t) = u(t) \cdot i(t)$ <p>where: <i>u</i> is the instantaneous voltage, <i>i</i> is the instantaneous current, <i>p</i> is the instantaneous power.</p> <p>At sinusoidal conditions active power is the product of the r.m.s. values of current and voltage and the cosine of the phase angle between them, calculated for each phase. It is usually expressed in kW:</p> | 02314 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|----------------------------|--|---|--|--------------------|
| | | | | $P = U_{r.m.s} \cdot I_{r.m.s} \cdot \cos \Phi$ | |
| 35.39. | actual quantity | according to 2.1.1 of R0_87:2016, 2.1.1 | amount of product that a prepackage contains as determined by measurement | <i>Note:</i> The actual quantity in a prepackage “i” is designated by the symbol Q_i or q_i . | 0246291 |
| 36.40. | actual scale division | according to T.3.3.1 of R0_51-1:2006, T.3.3.1 | value expressed in units of mass of: - the difference between the values corresponding to two consecutive scale marks, for analog indication; or - the difference between two consecutive indicated values, for digital indication | | 00636 |
| 37.41. | actual scale interval, d | according to T.3.2.2 of R0_76-1:2006, T.3.2.2 | value, expressed in units of mass of: - the difference between the values corresponding to two consecutive scale marks, for analog indication; or - the difference between two consecutive indicated values, for digital indication | | 00948 |
| 38.42. | actual volume V_a | according to 3.2.1 of R0_49-1:202413, 3.2.1 | total volume of water passing through the meter, disregarding the time taken | <i>Note 1:</i> This is the measurand. <i>Note 2:</i> The actual volume is calculated from a reference volume as determined by a suitable measurement standard, taking into account differences in | 0236493 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|-------------------|--|--|---|-----------------------|
| | | | | metering conditions, as appropriate. | |
| 39.43. | additional device | according to 2.4 of R0_80-1:2009, 2.4 | <p>part or device, other than an ancillary device, required to ensure correct measurement or intended to facilitate the measuring operations, or which could in any way affect the measurement</p> <p><u>Examples of additional devices:</u></p> <ul style="list-style-type: none"> ▪ manifold; ▪ sampling device; ▪ gas indicator; ▪ sight glass; ▪ filter, pump; ▪ gas elimination device; ▪ device used for the transfer point; ▪ anti-swirl device; ▪ branches or bypasses; ▪ valves, hoses. | <p>Examples of additional devices:</p> <ul style="list-style-type: none"> ▪ manifold; ▪ sampling device; ▪ gas indicator; ▪ sight glass; ▪ filter, pump; ▪ gas elimination device; ▪ device used for the transfer point; ▪ anti-swirl device; branches or bypasses; valves, hoses. | 02243 |
| 40.44. | Additional device | according to 2.4 of R0_80-21:2017, 2.4 | <p>Part or device, other than an ancillary device, required to ensure correct measurement or intended to facilitate the measuring operations, or which could in any way affect the measurement.</p> <p>Examples of additional devices:</p> <ul style="list-style-type: none"> ▪ manifold; ▪ manifold; | | 0284002972 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------|-------------------|--|--|---|-------------------|
| | | | <ul style="list-style-type: none"> ▪ sampling device; ▪ <u>sampling device;</u> ▪ gas indicator; ▪ <u>gas indicator;</u> ▪ sight glass; ▪ <u>sight glass;</u> ▪ filter, pump; ▪ <u>filter, pump;</u> ▪ gas elimination device; ▪ <u>gas elimination device;</u> ▪ device used for the transfer point; ▪ <u>device used for the transfer point;</u> ▪ anti-swirl device; ▪ <u>anti-swirl device;</u> ▪ branches or bypasses; ▪ <u>branches or bypasses;</u> ▪ valves, hoses. | | |
| <u>41-45.</u> | additional device | <u>according to T.a.2 of R_117-1:2007, 19-T.a.2</u> | part or device, other than an ancillary device, required to ensure correct measurement or intended to facilitate the measuring operations, or which could in any way affect the measurement | <p><u>Note:</u> Main additional devices are:</p> <ul style="list-style-type: none"> • gas elimination device;_{5.1} • — • gas indicator;_{5.1} • — • sight glass;_{5.1} • — • filter;_{5.1} • — | <u>0284101528</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|-------------------|--|--|---|-----------------|
| | | | | <ul style="list-style-type: none"> • — pump_{5.1} • — • — device used for the transfer point_{5.1} • — • — anti-swirl device_{5.1} • — • — branches or bypasses_{5.1} • — and_{5.1} • — • valves, hoses. | |
| 42.46. | additional device | according to T.9.2 of R_125:1998 , T.9.2 | a device other than an ancillary device, required to ensure the correct metrological performance of the system, e.g. valves allowing verification of pressure transducers, atmospheric pressure balancing pipes between pressure transducers, etc. | | 01625 |
| 43.47. | additional device | according to 3.2.7 of R_139-1:2018 – Reconfirmed 2022 4 , 3.2.7 | part or a device, other than an ancillary device, required to ensure correct measurement or intended to facilitate the measuring operations, or which could in any way affect the measurement | <p><i>Note:</i> Main additional devices are:</p> <ul style="list-style-type: none"> a) filter; b) device used for the transfer point; c) anti-swirl device; d) branches or bypasses; | 02727698 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|---|--|---|---|--------------------------|
| | | | | e) valves, hoses, and in general, all the gaseous piping. | |
| 44.48. | additional device | according to T.1.6 of R_140:2007, T.1.6 | <p>element or device, other than ancillary, required to ensure correct measurement or intended to facilitate the measuring operations, or which could in any way affect the measurement.</p> <p>Examples of additional devices are:</p> <ul style="list-style-type: none"> - filter; - flow conditioning device; - branch or by-pass line; - valves; - pressure reduction devices located upstream or downstream of the meter; - sampling systems; - piping. | | 02046 |
| 45.49. | a Additional T test r Report | according to G.3-2 of D0_30:200820, 3-G.3-1 | report issued by a t Testing L Laboratory that includes the results of additional tests and examinations, additional to those in the OIML Recommendation, accepted in the scope of a Declaration of Mutual Confidence (DoMC). | <p>Note 1: Additional tTest rReports are issued under the Mutual Acceptance Arrangement (MAA) <u>OIML-CS for results of tests and examinations of additional national requirements.</u></p> <p>2. Note 2: In the event that several tTesting LLaboratories are involved in the additional tests and examinations, each</p> | <u>0284202166</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------------|--|--|--|--|----------------|
| | | | | T esting L aboratory issues an A dditional t est r eport corresponding to those tests and examinations it performs. | |
| <u>50.</u> | <u>adjustable water meter</u> | <u>according to 3.1.26 of R 49-1:2024,</u> | <u>water meter (3.1.1) that is connected to or incorporates an adjustment and/or correction device (3.1.7)</u> | | <u>03702</u> |
| 46. <u>51.</u> | adjusting rail | according to 3.5 of R 93:1999, <u>3.5</u> | movable rail or bar used as the reference axis for spectacles during measurement, which is aligned perpendicularly to the optical axis of the focimeter and parallel to the 0° – 180° axis direction | Also called the lens table or frame rest. | 01128 |
| <u>52.</u> | <u>adjustment</u> <u>[VIM 3.11]</u> | <u>according to 3.5 of R 142-1:2025</u> | <u>set of operations carried out on a measuring system so that it provides prescribed indications corresponding to given values of a quantity to be measured</u> | | <u>03706</u> |
| 47. <u>53.</u> | adjustment | according to 2.1.1 of R 59-1:2016, <u>2.1.1</u> | set of operations carried out on a measuring system so that it provides prescribed indications corresponding to given values of a quantity to be measured [VIM, 3.11] | <i>Additional note:</i> A change in the value of any of a device's sealable calibration parameters or sealable configuration parameters. | 0241342 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|------------|---|---|-------|----------------|
| 48.54. | adjustment | according to 2.7 of R_143:2009, 2.7 | set of operations carried out on a measuring system so that it provides prescribed indications corresponding to given values of a quantity to be measured [VIM:2007, 3.11] | | 02129 |
| 49.55. | adjustment | according to T.2.7 of R_144-1:2013, T.2.7 | set of operations carried out on a measuring system so that it provides prescribed indications corresponding to given values of a quantity to be measured [VIM, 3.11] [1] | | 0273058 |

| | | | | | |
|-------------------|--|--|---|---|--------------------|
| 50.56. | adjustment | according to 2.1 of R_146-1:2016, 2.1 | {-adjustment of a measuring system adjustment set of operations carried out on a measuring system so that it provides prescribed indications corresponding to given values of a quantity to be measured [VIM, 3.11]} | <p>{NOTE 1 Types of adjustment of a measuring system include zero adjustment of a measuring system, offset adjustment, and span adjustment (sometimes called gain adjustment).</p> <p>NOTE 2 Adjustment of a measuring system should not be confused with calibration, which is a prerequisite for adjustment.</p> <p>NOTE 3 After an adjustment of a measuring system, the measuring system must usually be recalibrated.}</p> <p>For protein measuring instruments, alignment with the reference method is typically accomplished through a bias adjustment to the calibration equation.</p> <p>Other mechanisms that require a higher level of expertise (e.g. adjustment of the calibration equation slope, modification of hardware/ software components or settings) may be less accessible due to increased security requirements.</p> | 0278355 |
| 51.57. | adjustment (of a measuring instrument) | according to 3.5 of R0_99-1:2008, 3.5 | set of operations carried out on a measuring system so that it provides prescribed indications | | 02337 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | corresponding to given values of a quantity to be measured [VIM:2007,3.11] | | |
| 52.58. | adjustment device | according to 2.1.18 of R0_46-1:2012, 2.1.18 | device or function incorporated in the meter that allows the error curve to be shifted with a view to bringing errors (of indication) within the maximum permissible errors | | 02297 |
| 53.59. | adjustment device | according to 3.1.6 of R0_49-1:202413, 3.1.6 | part of the meter that allows an adjustment of the meter such that the error curve of the meter is generally shifted parallel to itself to fit in the envelope of the <i>maximum permissible error(s)</i> (3.2.5) | <i>Note:</i> For the definition of the term “adjustment of a measuring system”, see ISO/IEC Guide 99:2007/OIML V_-2-200:2012 (VIM) [1], 3.11, [1] . | 02345 |
| 54.60. | adjustment device | according to T.a.3 of R_117-1:200719, T.a.3 | device incorporated in the meter, that only allows shifting of the error curve generally parallel to itself, with a view to bringing errors within the maximum permissible errors. This device may be either mechanical or electronic | | 0284301529 |
| 55. | adjustment device | R126:2012, 2.11 | device for adjusting the breath alcohol analyzer when it is in maintenance mode | | 02608 |
| 56.61. | adjustment device | according to 3.2.10 of R_139-1:2018 - | device incorporated in the meter, that only allows shifting of the error curve generally parallel to itself, | | 0284402701 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | <u>Reconfirmed 2022</u> R139-1:2014, 3.2.10 | with a view to bringing errors within the maximum permissible errors . | | |
| 57.62. | adjustment device | <u>according to T.1.11.1 of R_140:2007, T.1.11.1</u> | device incorporated in the meter that only allows shifting of the relative error curve generally parallel to itself, with a view to bringing errors within the maximum permissible errors and to et the weighted mean error (see T.2.20) at minimum | | 02051 |
| 58.63. | adjustment interval for a calorific value determining device | <u>according to T.2.22 of R_140:2007, T.2.22</u> | time interval or number of measurements between two necessary adjustments of a calorific value determining device | | 02091 |
| 59.64. | adjustment means | <u>according to 2.7.2 of R_143:2009, 2.7.2</u> | means allowing the adjustment of the gas analytical system by the user | | 02131 |
| 60.65. | adjustment means | <u>according to 2.7.2 of R_144-1:2013, 2.7.2</u> | means allowing the adjustment of the gas analytical system by the user | | 0273 260 |
| 66. | <u>adjustment of a measuring system adjustment</u> | <u>according to 3.2 of D 10:2022</u> | <u>set of operations carried out on a measuring system so that it provides prescribed indications corresponding to given values of a quantity to be measured</u> (VIM:2007, 3.11) | <u>Note 1: Types of adjustment of a measuring system include zero adjustment of a measuring system, offset adjustment, and span adjustment (sometimes called gain adjustment).</u> <u>Note 2: Adjustment of a measuring system should not be</u> | <u>02845</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|--|--------------------------|
| | | | | <p><u>confused with calibration, which is a prerequisite for adjustment.</u></p> <p><u>Note 3: After an adjustment of a measuring system, the measuring system must usually be recalibrated.</u></p> | |
| 67. | <u>adjustment of a measuring system</u> | <u>according to 3.1.2 of R 126-1:2021</u> | <p><u>set of operations carried out on a measuring system so that it provides prescribed indications corresponding to given values of a quantity to be measured</u></p> <p><u>(OIML V 2-200, 3.11) [2]</u></p> | | <u>02846</u> |
| 61. 68. | adjustment range | <u>according to T.2.10.3 of R 051-1:2006, T.2.10.3</u> | range of weight values close to a set point outside which the weighing results may be subject to excessive relative error | | 00606 |
| 69. | <u>aiming device</u> | <u>according to 3.4.12 of R 91-1:2025</u> | <u>Device to orient the speed meter such that the azimuth and/or elevation are correct</u> | | <u>03737</u> |
| 62. 70. | aircraft hydrant measuring system | <u>according to T.a.4 of R 117-1:2007, 19-T.a.4</u> | mobile measuring system intended for refuelling aircraft, supplied from hydrant pits | | <u>0284701530</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 63 .71. | aircraft refuelling tanker measuring system | <u>according to T.a.5 of R 117-1:2019</u> R 117-1:2007, T.a.5 | mobile measuring system intended for refueling aircraft, supplied from a tank mounted on the vehicle | | 0284801531 |
| 64 .72. | air-enclosed integrated system | <u>according to T.2.6 of R 107-1:2007</u> , T.2.6 | instrument fitted with the appropriate safety and dust control features | | 01340 |
| 65 .73. | alanine dosimeter | <u>according to 3.2 of R 132:2001</u> , 3.2 | specified quantity of alanine in a defined physical form in which ionizing radiation produces an identifiable EPR signal that can be related to absorbed dose | | 01759 |
| 66 .74. | alanine EPR dosimetry system | <u>according to 3.1 of R 132:2001</u> , 3.1 | system used for determining absorbed dose consisting of alanine dosimeters and an EPR spectrometer. | | 01758 |
| 67 .75. | alcoholic strength by mass | <u>according to (25) of R 022:1973</u> (25) | The “alcoholic strength by mass” of a mixture of water and alcohol is the ratio of the mass of alcohol contained in the mixture to the total mass of the mixture. | | 0284902956 |
| 68 .76. | alcoholic strength by volume | <u>according to (25) of R 022:1973</u> (25) | The “alcoholic strength by volume” of a mixture of water and alcohol is the ratio of the volume of alcohol, measured at 20 °C, contained in the mixture to the total volume of the mixture, measured at the same temperature. | | 0285002955 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| <u>77.</u> | <u>along-the road speed meter</u> | <u>according to 3.4.10 of R 91-1:2025</u> | <u>speed meter without compensation for cosine error</u> | <p><u>Note 1: A variation of measurement angle will always lead to negative cosine error (i.e. in favour of the accused driver) for this class of speed meters.</u></p> <p><u>Note 2: Typical examples are hand-held LIDAR speed meters and fixed-distance speed meters.</u></p> | <u>03738</u> |
| 69. <u>78.</u> | alveolar air | <u>according to 3.2.5 of R 126-1:201221, 2.5</u> | air contained in the pulmonary alveoli where the gaseous exchange takes place between the blood and the gas contained within the alveoli | | 0285102602 |
| 70. <u>79.</u> | ambient pressure | <u>according to T.3 of R 101:1991, T.3</u> | the pressure of the environment of the instrument, at the place and time of the measurements. The ambient pressure may be atmospheric pressure, or it may have a value near to that of the atmospheric pressure when measurements are carried out in an enclosed, sealed space | | 01205 |
| 71. <u>80.</u> | ambient pressure | <u>according to 2.3 of R 109:1993, 2.3</u> | the pressure of the environment of the instrument at the time and place of the measurements. The ambient pressure may be atmospheric pressure, or it may have a value near to that of atmospheric pressure when measurements are carried out in an enclosed, sealed space | | 01413 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|--|---|--|---|-------|
| 72.81. | amount of substance concentration (<i>c</i>) | according to 2.7 of R_135:2004, 2.7 | amount of substance of the compound dissolved, divided by the volume of the solution [Adapted from ISO 6286, Table 2, No. 21.2] | Note: Adapted from ISO 6286, Table 2, No. 21.2. The coherent SI unit is the mole per cubic metre (mol/m ³), but the mole per litre (mol/l, mol/L) or its subunits are often preferred. | 01846 |
| 73.82. | analog data processing device | according to T.2.7.3 of R_51-1:2006, T.2.7.3 | electronic device of an instrument that performs the analog-to-digital conversion of the output signal of the load cell, further processes the data, and supplies the weighing result in a digital format via a analog data processing digital interface without displaying it. It may optionally have one or more keys (or mouse, touch-screen, etc.) to operate the instrument | | 00587 |
| 74.83. | analog data processing device | according to T.2.2.3 of R_76-1 2006, T.2.2.3 | electronic device of an instrument that performs the analog-to--digital conversion of the output signal of the load cell, further processes the data, and supplies the weighing result in a digital format via a digital interface without displaying it. It may optionally have one or more keys (or mouse, touch-screen, etc.) to operate the instrument | | 00899 |
| 75.84. | analog data processing device | according to T.2.7.3 of R_107-1:2007, T.2.7.3 | -electronic device of an instrument that performs the analog-to--digital conversion of the output signal of the load cell, further processes the data, | | 01344 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|--------------------------------------|--|--|-------|-----------------------|
| | | | and supplies the weighing result in a digital format via a digital interface without displaying it. It may optionally have one or more keys (or mouse, touch-screen, etc.) to operate the instrument | | |
| <u>85.</u> | <u>analog data processing device</u> | <u>according to 3.3.11.3 of R 61-1:2017</u> | <u>electronic device of an instrument that performs the analog-to-digital conversion of the output signal of the load cell, further processes the data, and supplies the weighing result in a digital format via a digital interface without displaying it</u> | | <u>03655</u> |
| 76.86. | analog indication | according to T.4.1.1 of R0_51-1:2006, T.4.1.1 | indication enabling the evaluation of the equilibrium position to a fraction of the scale interval | | 00650 |
| 77.87. | analog indication | according to 3.5.1.3 of R0_61-1:2017, 3.5.1.3 | indication allowing the evaluation of an equilibrium position to a fraction of the scale interval | | 0285203036 |
| 78.88. | analog indication | according to T.5.1.2 of R0_76-1:2006, T.5.1.2 | indication enabling the evaluation of the equilibrium position to a fraction of the scale interval | | 00964 |
| 79.89. | analog indication | according to T.4.2.1 of R_107-1:2007, T.4.2.1 | indication allowing the determination of equilibrium position to a fraction of the scale interval | | 01377 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|--|--|--|---|---------------------|
| 80.90. | analogue data processing module | according to 0.2.6.2 of R_106-1:2011, 0.2.6.2 | module that performs the analogue-to-digital conversion of the output signal of the load sensor, further processes the data, and supplies the weighing result in a digital format via a digital interface without displaying it | | 0251746 |
| 91. | <u>analogue data processing device (ADC)</u> | <u>according to 2.2.8.3 of R 150-1:2020</u> | <u>electronic device that performs the analogue-to-digital conversion of the output signal of the force receptor, further processes the data, and supplies the weighing result in a digital format via a digital interface without displaying it</u> | | <u>02853</u> |
| 81.92. | analogue focimeter | according to 3.2 of R 93:1999, 3.2 | focimeter with a continuous scale | | 01125 |
| 82.93. | analogue indication | according to 0.4.2.2 of R_106-1:2011, 0.4.2.2 | measurement results are displayed by an analogue measuring instrument in a form which is a continuous function of the measurand [VIM, 4.10] | | 02575604 |
| 94. | <u>analogue-active load cell</u> | <u>according to 3.1.3.2 of R 60-1:2021</u> | <u>load cell which is capable of performing the functions as described under "analogue-passive" load cell (3.1.3.1) and which also utilizes active electronics</u> | <u>Note: This type of load cell may utilise the active electronics for</u> <ul style="list-style-type: none"> <u>gaining an electronic representation of the measurand value,</u> <u>active temperature compensation, and</u> | <u>02854</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | | <ul style="list-style-type: none"> • <u>similar function being of influence to the measurand value.</u> | |
| 95. | <u>analogue-passive load cell</u> | <u>according to 3.1.3.1 of R 60-1:2021</u> | <u>load cell from which the output provides either measurable data or direct information representing the measurand value</u> | <p><i>Note:</i> The ratio between output and input may be adjustable and this type of load cell may utilise</p> <ul style="list-style-type: none"> • <u>passive electronics (e.g. strain gauges), and</u> • <u>passive temperature compensation elements.</u> | 02855 |
| 83. 96. | analogue indication | <u>according to T.2.4.1 of R_136-1:2004, T.2.4.1</u> | the output or display is indicated by an index and graduated scale, one of which is fixed and the position of the other is a continuous function of the particular quantity being measured | | 01893 |
| 84. 97. | analysis wavelength ₇ | <u>according to 4.4 of R_127:1999, 4.4</u> | wavelength used in a read-out instrument for measuring the optical absorbance of a radiochromic film dosimeter | | 01678 |
| 85. 98. | analysis wavelength, λ | <u>according to 3.4 of R_131:2001, 3.4</u> | wavelength used in a spectrophotometer for measuring the optical absorbance of a PMMA dosimeter | | 01742 |
| 99. | <u>anatomical dead space</u> | <u>according to 3.2.7 of R 126-1:2021</u> | <u>dead space in that portion of respiratory system which is external to the alveoli and includes the</u> | <i>Note:</i> The volume of dead space varies between individuals. | 02856 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | <u>air-conveuing ducts form the mouth to the terminsl bronchiols</u> | (Cited from Webster's Medical Dictionary, online version: www.merriam-webster.com/medical). | |
| <u>86.100.</u> | ancillary device | <u>according to 2.1.19 of R0_46-1:2012, 2.1.19</u> | device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results [OIML V1:2013, 5.06] | <i>Note:</i> An ancillary device is not part of the basic metrology function of a meter. | 02298 |
| <u>87.101.</u> | ancillary device | <u>according to 3.1.8 of R0_49-1:202413, 3.1.8</u> | device intended to perform a specific function, directly involved in elaborating, transmitting or displaying measured values | <p><u>Note 1:</u> Fore the definition of “measures value”, see ISO/IEC Guide 99:2007/OIML V 2-200:2012 (VIM)-11, 2.10, [1].</p> <p><u>Note 2:</u> The main ancillary device are:</p> <ul style="list-style-type: none"> <u>a) zero-setting device;</u> <u>b) price-indicationg device;</u> <u>c) repeating indicating device;</u> <u>d) printing device;</u> <u>e) memory device;</u> <u>f) traffie control device;</u> <u>g) pre-setting device;</u> <u>h) self-service device;</u> | 02347 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | | <p>i) <u>flow sensor movement detector (for detecting movement of the flow sensor before is clearly visible on the indicationg device;</u></p> <p>j) <u>remote or automatic reading device (which may be incorporated permanently or added temporarily).</u></p> <p><u>Note 3: Depending on national legislation, ancillary devices may be subject to legal metrological control.</u></p> | |
| 88.102. | ancillary device | <u>according to 2.3 of R0_80-1:2009, 2.3</u> | <p>device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results</p> <p><u>Examples of ancillary devices:</u></p> <ul style="list-style-type: none"> ▪ <u>zero setting device;</u> ▪ <u>repeating indicating device;</u> ▪ <u>printing device;</u> ▪ <u>memory device;</u> ▪ <u>price indicating device;</u> ▪ <u>conversion device.</u> | <p><u>Examples of ancillary devices:</u></p> <ul style="list-style-type: none"> ▪ <u>zero setting device;</u> ▪ <u>repeating indicating device;</u> ▪ <u>printing device;</u> ▪ <u>memory device;</u> ▪ <u>price indicating device;</u> ▪ <u>conversion device.</u> | 02242 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------|--|--|---|-----------------------|
| 89.103. | Ancillary device | according to 2.3 of R0_80-12:2017, 2.3 | Device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results. Examples of ancillary devices: <ul style="list-style-type: none"> ▪ zero setting device; ▪ repeating indicating device; ▪ printing device; ▪ memory device; ▪ price indicating device; ▪ conversion device. | | 0285702971 |
| 90.104. | ancillary device | according to 3.9 of R0_81:1998, 3.9 | a device intended to perform a particular function, directly involved in elaborating, memorizing, transmitting or displaying the measurement result. <u>Examples are a printing device or a remote indicator.</u> | Examples are a printing device or a remote indicator. | 01018 |
| 91.105. | ancillary device | according to 3.3 of R0_85-1 & 2:2008, 3.3 | device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results. Examples: <ul style="list-style-type: none"> ▪ repeating indicating device; ▪ printing device; ▪ memory device; ▪ conversion device. | <u>Note:</u> For the purpose of this Recommendation ancillary equipment, in so far as it is subject to metrological control, is considered to be part of the ALG. | 02301 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 92.106. | ancillary device | according to T.a.6 of R_117-1:2007, 19 T.a.6 | device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results | <p><i>Note:</i> Main ancillary devices are:</p> <ul style="list-style-type: none"> • — zero-setting device;₃₅ • — • — repeating indicating device;₃₅ • — • — printing device;₃₅ • — • — memory device, • — • — price indicating device;₃₅ • — • — totalizing indicating device;₃₅ • — • — correction device;₃₅ • — • — conversion device;₃₅ • — • — pre-setting device;₃₅ • — • self-service device. | 0285801532 |
| 93.107. | ancillary device | according to T.9.1 of R_125:1998, T.9.1 | a device associated with the instrument which is intended to perform a specific function, e.g. a | | 01624 |

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|----------------|-------------------------|--|---|--|----------------|
| | | | repeat indication device, ticket printer, card reader, data input terminal, etc. | | |
| <u>108.</u> | <u>ancillary device</u> | <u>according to 2.1.5 of R 129-1:2020</u> | <u>device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results [VIML 5.06]</u> | <p><u>Note 1: An ancillary device may or may not be subject to legal metrological control according to its function in the measuring system or to national regulations.</u></p> <p><u>Note 2: Main ancillary devices are:</u></p> <ul style="list-style-type: none"> • <u>zero-setting device;</u> • <u>repeating indicating device;</u> • <u>printing device;</u> • <u>memory device;</u> • <u>price indicating device;</u> • <u>totalising indicating device;</u> • <u>pre-setting device;</u> • <u>self-service device.</u> | <u>02859</u> |
| <u>94.109.</u> | ancillary device | <u>according to 3.1.8 of R 137:2012, 3.1.8</u> | <p>device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results</p> <p>The main ancillary devices are:</p> <ul style="list-style-type: none"> ▪ repeating indicating device, | <p><i>Note 1:</i> An ancillary device is not necessarily subject to metrological control.</p> <p><i>Note 2:</i> An ancillary device may be integrated in the gas meter.</p> | <u>0262453</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------|--|--|--|-------------------------------|
| | | | <ul style="list-style-type: none"> printing device, memory device, and communication device. | | |
| 95.110. | ancillary device | according to 3.2.6 of R_139-1:2014 18, – Reconfirmed 2022-3.2.6 | <p>device intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results</p> <p>[OIML V1:2013, 5.06]</p> | <p><i>Note 1</i> An ancillary device may or may not be subject to legal metrology control according to its function in the measuring system or to national regulations.</p> <p><i>Note 2</i> Main ancillary devices are:</p> <ul style="list-style-type: none"> a) zero-setting device; b) repeating indicating device; c) printing device; d) memory device; e) price indicating device; f) totalizing indicating device; g) presetting device; h) self-service device. | 028600 2697 |
| 96.111. | ancillary device | according to T.1.5 of R_140:2007, T.1.5 | <p>device, other than the main indicating device, connected to a calculator, intended to perform a particular function, directly involved in elaborating, transmitting or displaying measurement results</p> | <p><i>Note 1:</i> An ancillary device may or may not be subject to legal metrology control according to its function in the measuring system or to national regulations.</p> | 02045 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|--------------------------------|--|--|--|--------------|
| | | | Main ancillary devices are: - repeating indicating device; - printing device; - memory device; - totalizing indicating device; - conversion device. | <i>Note 2:</i> An ancillary device may be integrated into the calculator, into the meter, or constitutes peripheral equipment linked to the calculator by means of an interface. | |
| 97. 112. | ancillary device, A | according to 2.2.6 of R 35-1:2007, 2.2.6 | device intended to perform a particular function, directly involved in elaborating, transmitting or displaying results | | 00372 |
| 98. 113. | angle α | according to 3.7 of R 128:2000, 3.7 | the angle α is the angle between the saddle-height adjustment direction (seat tube) and the vertical (see Fig. 1) ² | | 01698 |
| 114. | <u>angle measurement</u> | <u>according to 3.4.8 of R 91-1:2025</u> | <u>measurement of the horizontal component of the measurement angle</u> | <u><i>Note:</i> The measurement of the vertical component of the measurement angle is referred to as vertical angle measurement.</u> | <u>03738</u> |
| <u>115.</u> | <u>appeal</u> | <u>according to 3.9 of D 37:2022</u> | <u>No OIML guidance</u> | | <u>02861</u> |

² see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|--|--|--|-----------------------|
| 99.116. | application of a measuring instrument | according to 1.2.5 of D0_20:1988, 1.2.5 | for a particular copy of a pattern, the identification, by reference to all possible variables and constraints, of all measurements for which it may hypothetically be used and of all the sets of conditions under which these measurements can legally be made | | 00139 |
| 100.117 | apportioning factor (p_{LC}) | according to 3.7.2 of R0_60-1:2021, 7.2 | the value of a dimensionless fraction expressed as a decimal (for example, 0.7) representing that portion of an error observed in the (weighing) instrument which attributed to the load cell alone | <i>Note:</i> This value is used in determining the MPE (see 3.7.10). | 0286202870 |
| 101.118 | apron | according to 0.2.3 of R_106-1:2011, 0.2.3 | part of the rails that is not the load receptor but which is located on either end of the load receptor and which serves as approach rails | | 0253940 |
| 102.119 | apron | according to T.1.6.1 of R_134:2003, T.1.6.1 | part of the weigh zone that is not the load receptor but which is located on either end of the load receptor | | 01790 |
| 103.120 | area of leather | according to T.1.7 of R_136-1:2004, T.1.7 | measurement of the extent of the surface of a leather material held or supported to ensure that the material is presented for measurement in a form that removes the three dimensional characteristics of the material | | 01886 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 121. | <u>arched chute</u> | <u>according to 2.2.1.1 of R 150-1:2020</u> | <u>part of the force receptor intended to bend and orient the mass flow</u> | | <u>02863</u> |
| 122. | <u>arched chute type totalising weighing instrument</u> | <u>according to 2.1.4 of R 150-1:2020</u> | <u>weigher designed such that it causes a vertical flow of bulk product to effect a centripetal force proportionally to the mass of the product passing along the circular arched surface of force receptor (2.2.1)</u> | <p><u>Note 1: Not all chute weighers meet the definition stated in this Recommendation.</u></p> <p><u>Note 2: Arched chute weighers are designed such that a vertical flow of bulk products uses the action of gravity to effect a centripetal force proportional to the mass of the product.</u></p> <p><u>Note 3: the force receptore of an arched chute weigher is equipped with a circular arched surface.</u></p> <p><u>Note 4: arched chute weighers that horizontal flows, using only centripetal force, are not covered by definition of a weighing instrument in 2.1.1 and therefore are not covered by this Recommendation.</u></p> | <u>02864</u> |
| 104.123 | associated measuring device | <u>according to T.a.7 of R_117-1:2007, 19 T.a.7</u> | device, connected to the calculator, the correction device or the conversion device, and converting, during the measurement, the characteristic quantities (temperature, pressure, density, | | <u>02865</u> 01533 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | viscosity, etc.) of the liquid into signals destined for the calculator, with a view to making a correction and/or a conversion. It includes an associated measuring sensor and an associated measuring transduce | | |
| 105.124 | associated measuring instrument | <u>according to 3.1.11 of R_49-1:2024</u> 13, 3.1.11 | instrument connected to the <i>calculator</i> (3.1.4) or the <i>correction device</i> (3.1.7) for measuring a quantity, characteristic of water, with a view to making a correction and/or a conversion | | 0235079 |
| 106.125 | associated measuring instrument | <u>according to 3.1.9 of R_137:2012</u> , 3.1.9 | instrument connected to the calculator or the correction device for measuring certain gas properties, for the purpose of making a correction | | 0262554 |
| 107.126 | associated measuring instrument | <u>according to 3.2.11 of R_139-1:2022</u> 14, 3.2.11 | instrument for the measurement of a quantity, other than the measurand, the value of which is used to correct or convert a measurement result [OIML V1:2013, 5.09] | <i>Note:</i> Within the scope of this Recommendation, this concerns the instrument which is connected to the calculator or the correction device, for measuring certain quantity values which are characteristic of the gas, with a view to making a correction. | 0286602702 |
| 108.127 | associated measuring instrument | <u>according to T.1.9 of R_140:2007</u> , T.1.9 | instrument for measuring certain measurands which are characteristic of the gas (temperature, pressure, calorific value, etc.) and which are used | | 02049 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|---|-----------------------|
| | | | by the calculator with a view to making a correction and/or a conversion | | |
| 109.128 | associated measuring sensor | according to T.a.8 of R_117-1:2007, 19-T.a.8 | part of the associated measuring device, directly affected by the measurand, which converts the characteristic quantity (temperature, pressure, density, viscosity, etc.) of the liquid into a measurement signal (resistance, electrical current, frequency, etc.) destined for the associated measuring transducer | | 0286701534 |
| 110.129 | associated measuring transducer <u>(see also T.t.1)</u> | according to T.a.9 of R_117-1:2019R117-1:2007, T.a.9 | part of the associated measuring device that provides an output quantity for the calculator, the correction device or the conversion device, and having a determined relationship to the input quantity | (See also T.t.1) | 0286801535 |
| 111.130 | astigmatic power lens | according to 3.10 of R_93:1999, 3.10 | lens bringing a paraxial pencil of parallel rays to two separate line foci mutually at right angles and hence, unlike a spherical lens, having two principal powers | <i>Note:</i> One of these powers may be zero, with the corresponding focal line at infinity. Lenses referred to as toric lenses, spherocylindrical lenses and cylinder lenses are all astigmatic. | 01135 |
| 112.131 | atomizer | according to 3.2 of R_100-1:2013, 3.2 | device for converting the analyte into atomic vapor | | 02485123 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|--|--|---|-----------------------|
| 113.132 | attended payment (or post-payment) | according to 3.3.6 of R_139-1:2014, 22-3.3.6 | type of payment in attended service mode requiring payment for the delivered quantity after the delivery but before the customer leaves the site of the delivery | | 0286902715 |
| 114.133 | attended service mode | according to T.s.4.1 of R_117-1:2007, 19-T.s.4.1 | operating mode of a self-service arrangement in which the supplier is present and controls the authorization for the delivery | | 0287001598 |
| 115.134 | attended service mode | according to 3.3.3 of R_139-1:2022, 139-1:2014, 3.3.3 | operating mode of a self-service arrangement in which the supplier is present and controls the authorization for the delivery | <p><i>Note 1:</i> In attended service mode, the settlement of the transaction takes place before the customer leaves the site of the delivery.</p> <p><i>Note 2:</i> A transaction is settled when the parties interested in the transaction have made their agreement known (explicitly or implicitly) as regards the amount of the transaction. This may be a payment, signing a credit card voucher, signing a delivery order, etc.</p> <p><i>Note 3:</i> The parties interested in a transaction may be the parties themselves or their representatives (for example the employee in a filling station or the driver of a truck).</p> | 0287102712 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | | <i>Note 4:</i> In attended service mode the measurement operation ends at the moment settlement of the transaction takes place. | |
| 116-135 | audit | <u>according to 2.15 of D0_27:2001, 2.15</u> | systematic, independent and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which audit criteria are fulfilled [ISO 9000:2000, 3.9.1] | <u>Note:</u> Internal audits, sometimes called “first-party audits”, are conducted by, or on behalf of, the organization itself for internal purposes and can form the basis of an organization’s self- declaration of conformity. External audits include what are generally termed “second-” or “third-party audits”. Second-party audits are conducted by parties having an interest in the organization, such as customers, or by other persons on their behalf. Third-party audits are conducted by external independent organizations. Such organizations provide certification or registration of conformity with requirements | 00177 |

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| | | | | <p>such as those of ISO 9001 and ISO 14001:1996.</p> <p>When quality and environmental management systems are audited together, this is termed a “combined audit”.</p> <p>When two or more auditing organizations cooperate to audit a single auditee jointly, this is termed “joint audit”.</p> | |
| <u>136.</u> | <u>audit trail [OIML D 31, 3.1.1]</u> | <u>according to 3.23 of R 142-1:2025</u> | <u>continuous data file containing a time stamped information record of events, e.g. changes in the values of the parameters of a measuring instrument or software updates, or other activities that are legally relevant and which may influence the metrological</u> | | <u>03707</u> |
| 117-137 | audit trail | <u>according to 3.2.1 of D 31:2008</u> 23, 3.1.2 | continuous data file containing a time stamped information record of events, e.g. changes in the values of the parameters of a <u>measuring instrument</u> device or software updates, or other activities that are legally relevant and <u>which are critical for</u> the metrological characteristics <u>adapted from [OIML V 1:2022, 6.05]</u> | <u>Note: Regarding examples for events logged in an audit trial, see 3.2.20</u> | 0287202169 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|--|--|-------|----------------------------|
| 118.138 | audit trail | according to 2.2.1 of R_59-1:2016, 2.2.1 | continuous data file containing a time stamped information record of events, e.g. changes in the values of parameters of a device or software updates, or other activities that are legally relevant and which may influence the metrological characteristics [OIML D 31, 3.1.2] | | 0242958 |
| <u>139.</u> | <u>audit trail</u> | <u>according to 3.1.8 of R 61-1:2017</u> | <u>continuous data file containing a time stamped information record of events, e.g. changes in the values of parameters of a device or software updates, or other activities that are legally relevant and which may influence the metrological characteristics</u> <u>(OIML D 31)</u> | | <u>03656</u> |
| 119.140 | audit trail | according to 0.3.11 of R_106-1:2011, 0.3.11 | electronic count and/or information record of the changes to the values of the legally relevant parameters of a device | | 02570 <u>99</u> |
| 120.141 | audit trail | according to T.4.5.9 of R_107-1:2007, T.4.5.9 | historical record (or continuous data file) of the instrument data, adjustments and weighing operations. Checks can be made to ensure that adjustments and weighings have been carried out in accordance with the appropriate parts of this Recommendation. Every log entry has a unique time and date stamp | | 01395 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 121.142 | audit trail | <u>according to T.1.18 of R_140:2007, T.1.18</u> | set of electronic and/or paper records that provide for a complete examination of measured variables, parameter settings and calculation results to check the accuracy of a measurement and any necessary corrections | <i>Note:</i> The required records may include volumes at metering conditions, pressures, temperatures and calorific values, conversion equation specification and parameters, volumes and energy at base conditions, calibration datum, and alarm logs. | 02061 |
| <u>143.</u> | <u>audit trail</u> | <u>according to 2.1.9 and 2.1.12 of R 150-1:2020</u> | <u>continuous data file containing a time stamped information record of events, e.g. changes in the values of the parameters of a device or software updates, or other activities that are legally relevant and which may influence the metrological characteristics</u> <u>[VIML:2013, 6.05] [2]</u> | | <u>02873</u> |
| 122.144 | auscultatory method | <u>according to 2.12 of R0_16-1:2002, 2.12</u> | technique whereby sounds (known as Korotkoff sounds) are heard over an occluded artery as the occluding pressure is slowly released, the appearance of sounds coinciding with the systolic blood pressure and the disappearance of sounds with the diastolic blood pressure in adults. In children under age of 13, "k4" (i.e. 4th phase Korotkoff sound) may be appropriate | | 00317 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-------------------------------------|--|---|--|--|
| 123.145 | auscultatory method | according to 2.16 of R_016-2:2002, 2.16 | Technique whereby sounds (known as Korotkoff sounds) are heard over an occluded artery as the occluding pressure is slowly released, the appearance of sounds coinciding with the systolic blood pressure and the disappearance of sounds with the diastolic blood pressure. In children under the age of 13, “k4” (i.e. 4th phase Korotkoff sound) may be appropriate. | | 00336 |
| 146. | auscultatory method | according to 2.1 of R 148-1:2020 | method whereby sounds (known as Korotkoff sounds) are heard or detected (e.g. by a microphone) over an occluded artery as the occluding pressure is slowly released, the appearance of sounds coinciding with the systolic blood pressure and the disappearance of sounds with the diastolic blood pressure | | 02874 |
| 147. | auscultatory method | according to 2.1 of R 149-1:2020 | method whereby sounds (known as Korotkoff sounds) are heard or detected (e.g. by a microphone) over an occluded artery as the occluding pressure is slowly released, the appearance of sounds coinciding with the systolic blood pressure and the disappearance of sounds with the diastolic blood pressure | | 02875 |
| 124.148 | authentication | according to 3.2.2 of D0_31:2008, 23-3.1.3 | checking of the declared or alleged identity of a user, process, or device measuring instrument | <i>Note: This may be necessary when checking that downloaded</i> | 0287602170 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | (e.g. checking that downloaded software originates from the owner of the type approval certificate) | <u>software originates from the owner of the certificate.</u> | |
| <u>149.</u> | <u>authentication</u> | <u>according to 3.3.2 of R 126-1:2021</u> | <u>checking of the declared or alleged identity of a user, process, or measuring instrument (OIML D 31, 3.1.2) [5]</u> | <u>Note: This may be necessary when checking that downloaded software originates from the owner of the certificate.</u> | <u>02877</u> |
| 125.150 | authenticity | D031:2008, 3.1.4 <u>according to 3.2.3 of D 31:2023</u> | result of the process of authentication (passed or failed) | | <u>0287802171</u> |
| <u>151.</u> | <u>authenticity</u> | <u>according to 3.3.1 of R 126-1:2021</u> | <u>result of the process of authentication (passed or failed)</u> <u>(OIML D 31, 3.1.3) [5]</u> | | <u>02879</u> |
| 126.152 | authority | <u>according to 2.15 of D009:2004, 2.15</u> | public (government or local government) body authorized by law on a national level to be responsible for metrological supervision as a whole or in part | | 00197 |
| 127.153 | authority | <u>according to 2.15 of D016:2011, 2.15</u> | central or local governmental body, or non-governmental body empowered by government to perform public tasks | | 02268 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 128.154 | authorization of a measuring system | <u>according to T.a.10 of R_117-1:2007, 19 T.a.10</u> | operation that brings the measuring system into a condition suitable for the commencement of the delivery | | 028800 <u>1536</u> |
| 129.155 | authorization of a measuring system | <u>according to 3.3.8 of R_139-1:2014, 22-3.3.8</u> | operation that brings the measuring system into a condition suitable for the commencement of the delivery | | 028810 <u>2717</u> |
| 130.156 | authorized manufacturer | <u>according to 2.17 of D0_27:2001, 2.17</u> | organization that has been authorized by the national responsible body to provide a declaration of conformity of a manufactured measuring instrument to legal requirements | <i>Note:</i> This term may also apply to distributors, importers, assemblers, installers, repackagers, relabelers, etc. that have responsibility for assuring the quality and performance of a measuring instrument prior to its being placed in service (see ISO/IEC Guide 22 [4]). | 00179 |
| 131.157 | authorized person | <u>according to T.a.11 of R_117-1:2019, 11 T.a.11</u> | person that is allowed to perform specified activities on legally controlled measuring systems or components, under applicable national laws | | 028820 <u>1537</u> |
| 132.158 | authorized private body | <u>according to 2.21 of D00_9:2004, 2.21</u> | private body authorized (licensed) to perform certain activities in legal metrology beyond the scope of metrological supervision (especially activities of metrological control: certification of a measuring instrument, initial and subsequent | <i>Note:</i> Prior to authorization, their technical competence is normally demonstrated by an approval of their quality system through accreditation or any equivalent type of assessment. | 00203 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | verification of a measuring instrument, metrological control of a prepackage) | | |
| 133.159 | automatic adjustment facility | <u>according to 3.9 of R_99-1:2008</u> , 3.9 | facility performing the adjustment of the instrument as programmed without the intervention of the user, to initiate the adjustment or its magnitude | | 02341 |
| 134.160 | automatic adjustment means | <u>according to 2.7.4 of R_143:2009</u> , 2.7.4 | means performing the adjustment of the gas analytical system as programmed without the intervention of the user, to initiate the adjustment or regulate the measurement signal | | 02133 |
| 135.161 | automatic adjustment means | <u>according to 2.7.4 of R_144-1:2013</u> , 2.7.4 | means which perform the adjustment of the gas analytical system as programmed without the intervention of the user, to initiate the adjustment or regulate the measurement signal | | 0273462 |
| 136.162 | automatic catchweighing instrument (catchweigher) | <u>according to T.1.3 of R_51-1:2006</u> , T.1.3 | automatic weighing instrument that weighs pre-assembled discrete loads or single loads of loose material | | 00561 |
| 137.163 | automatic checking facility | <u>according to 3.19.1 of D_11:2013</u> , 3.19.1 | checking facility that operates without the intervention of an operator | | 02236 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 138.164 | automatic checking facility | <u>according to 3.5.5 of R_49-1:2024</u> 13, 3.5.5 | <i>checking facility (3.5.4)</i> that operates without the intervention of an operator [SOURCE: OIML D 11:2013 [3] , 3.19.1.] [8] | | 0240938 |
| 139.165 | automatic checking facility | <u>according to 2.57 of R_80-1:2009</u> , 2.57 | checking facility operating without the intervention of an operator | | 02296 |
| 140.166 | Automatic checking facility | <u>according to 2.57 of R_80-12:2017</u> , 2.57 | c Checking facility that operates without the intervention of an operator. | | 0288303025 |
| 141.167 | automatic checking facility | <u>according to 3.11 of R_85-1:2008</u> , 3.11 | checking facility that operates without the intervention of an operator | | 02309 |
| 142.168 | automatic checking facility | <u>according to 3.30 of R_99-1:2008</u> , 3.30 | checking facility that operates without the intervention of the user [Adapted from OIML D11:2004, 3.18.1.] | | 0236364 |
| 143.169 | automatic checking facility | <u>according to T.3.11 of R_107-1:2007</u> , T.3.11 | facility, operating without the intervention of an operator, which is incorporated in an instrument and which enables significant faults to be detected and acted upon [OIML D11: 2004, 3.18 and 3.18.1] | <i>Note:</i> An automatic checking facility performs securing and monitoring activities. | 01373 |
| 144.170 | automatic checking facility | <u>according to T.c.2.1 of R_117-1:2007</u> , 19 T.c.2.1 | checking facility operating without the intervention of an operator | | 0288401541 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 145.171 | automatic checking facility | <u>according to T.34.1 of R_125:1998, T.34.1</u> | a checking facility operating without the intervention of an operator | | 01654 |
| 146. | automatic checking facility | R126:2012, 2.14 | internal device or process that checks whether the breath alcohol analyzer is suitably adjusted. Such a device may include internal checking elements (for example signal stability or temperature stability) or additional external elements to be connected to the instrument such as optical or electrical filters or a cylinder with a test gas of known concentration | | 02611 |
| 147.172 | automatic checking facility | <u>according to 3.2.15 of R_139-1:2014, 2.2.15</u> | checking facility operating without the intervention of an operator [OIML D11:2013, 3.19.1] | | <u>028850270</u> |
| 148.173 | automatic checking facility | <u>according to T.4.3 of R_140:2007, T.4.3</u> | checking facility that operates without the intervention of an operator | | 02101 |
| <u>174.</u> | <u>automatic checking facility</u> | <u>according to A.1.5 of R 60:2021 - Annexes</u> | <u>checking facility that operates without the intervention of an operator</u> <u>(OIML D11, 3.19.1.)</u> | | <u>02886</u> |
| 149.175 | automatic gravimetric filling instrument (AGFI)(AGFI) | <u>according to 3.2.2 of R_061-1:2017, 3.2.2</u> | automatic weighing instrument intended to fill containers with a predetermined and virtually constant mass of product from bulk (including liquid material) by automatic weighing, and which comprises essentially automatic feeding device(s) | | <u>0288702884</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | associated with weighing module(s) and the appropriate control and discharge devices. Types of AGFI include those described in 3.2.2.1–3.2.2.2 | | |
| 150-176 | automatic instrument | according to 2.1.7 of R 129-1:2020 <u>2000, 2.8</u> | an instrument which does not require measures without the intervention of an operator | | 0288801707 |
| 151-177 | automatic instrument for weighing road vehicles in motion | according to T.1.3 of R 134:2006, T.1.3 | Automatic weighing instrument, having a load receptor (T.2.3) and aprons (T.2.2.1), that determines the vehicle mass (T.3.1.5), axle loads (T.3.1.8), and if applicable the axle-group loads (T.3.1.11) of a road vehicle while the vehicle is crossing over the load receptor of the weighing instrument. | | 0288902921 |
| 152-178 | automatic level gauge (ALG) | according to 3.11 of R 71:2008, 3.11 | instrument intended to measure automatically and display the level of the liquid contained in a tank with respect to a fixed reference. An automatic level gauge includes at least a liquid level sensor, a transducer, and an indicating device | <i>Note:</i> See OIML Recommendation R 85-1/2 for general requirements. | 02235 |
| 153-179 | automatic level gauge (ALG) | according to 3.1 of R 85-1:2008, 3.1 | instrument intended to measure automatically and display the level of the liquid contained in a tank with respect to a fixed reference. An automatic level gauge includes at least a liquid level sensor, a transducer, and an indicating device. | | 02299 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| <u>180.</u> | <u>automatic measurement</u> | <u>according to 3.1.10 of R 91-1:2025</u> | <u>speed measurement triggered by the traffic situation without user interaction</u> | | <u>03740</u> |
| 154.181 | automatic measuring instrument | <u>according to T.1.3 of R_136-1:2004, T.1.3</u> | instrument that measures without the intervention of an operator and follows a pre-determined program of automatic processes characteristic of the instrument | | 01882 |
| 155.182 | automatic operation | <u>according to T.3.4.4 of R_51-1:2006, T.3.4.4</u> | the instrument weighs without the intervention of the operator and follows a pre-determined program of automatic processes characteristic of the instrument .The instrument may either weigh statically or dynamically in automatic operation | | 00644 |
| 156.183 | automatic rail-weighbridge | <u>according to 0.1.4 of R_106-1:2011, 0.1.4</u> | automatic weighing instrument having one or more load receptor(s), inclusive of rails for conveying railway vehicles, that determines the mass of wagons and/or the whole train by weighing them in motion | | 02496525 |
| <u>184.</u> | <u>automatic refractometer (type I refractometers)</u> | <u>according to 3.2 of R 142-1:2025</u> | <u>instruments in which the test sample is supplied to the device automatically, the indication being displayed or printed</u> | <p><u>Note: Type I refractometers shall be equipped with:</u></p> <ul style="list-style-type: none"> <u>an automatic temperature correction device;</u> <u>a primary indicating device (“primary” means a device that can</u> | <u>03708</u> |

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| | | | | be seen by all interested parties simultaneously); <ul style="list-style-type: none"> • a zero-setting device or a device for calibration (adjustment) at another scale point; • a zero-checking device; • an automatic cleaning device. | |
| 157.185 | automatic refractometer | according to 2.3 of R_108:1993, 2.3 | automatic refractometers are instruments in which the liquid sample is supplied to the device automatically, the indication being displayed or printed | | 01508 |
| 158.186 | automatic weighing instrument | according to 2.1.2 of R_50-1:2014, 2.1.2 | an instrument that weighs without the intervention of an operator and follows a predetermined program of automatic processes characteristic of the instrument | | 0289003075 |
| 159.187 | automatic weighing instrument | according to T.1.2 of R_51-1:2006, T.1.2 | instrument that weighs and follows a pre-determined program of automatic processes characteristic of the instrument | | 00560 |
| 160.188 | automatic weighing instrument | according to 3.2.1 of R_61-1:2017, 3.2.1 | weighing instrument that operates without the intervention of an operator and following a | | 0289102883 |

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| | | | predetermined program of automatic processes characteristic for the instrument | | |
| 161.189 | automatic weighing instrument | <u>according to 0.1.2 of R_106-1:2011, 0.1.2</u> | instrument that weighs without the intervention of an operator and that follows a predetermined program of automatic processes characteristic of the instrument | | 02494 <u>523</u> |
| 162.190 | automatic weighing instrument | <u>according to T.1.2 of R_107-1:2007, T.1.2</u> | instrument that weighs and follows a predetermined program of automatic processes characteristic of the instrument | | 01315 |
| 163.191 | automatic weighing instrument | <u>according to T.1.2 of R_134-1:2006, T.1.2</u> | an instrument that weighs without the intervention of an operator and follows a predetermined program of automatic processes characteristic of the instrument | | <u>0289202920</u> |
| <u>192.</u> | <u>automatic weighing instrument</u> | <u>according to 2.1.2 of R_150-1:2020</u> | <u>weighing instrument that weighs without the intervention of an operator and follows a predetermined program of automatic processes characteristic for the instrument</u> | | <u>02893</u> |
| 164.193 | automatic weighing range | <u>according to T.3.3 of R_107-1:2007, T.3.3</u> | range from minimum capacity to maximum capacity | | 01361 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 165.194 | automatic zero-setting device | <u>according to T.2.10.8.3 of R0_51-1:2006, T.2.10.8.3</u> | device for setting the indication to zero automatically without the intervention of an operator | | 00614 |
| 166.195 | automatic zero-setting device | <u>according to 2.2.6.3 of R0_50-1:2014, 2.2.6.3</u> | a zero-setting device that operates automatically without the intervention of the operator after the belt has been operating empty | | 02827 |
| 167.196 | automatic zero-setting device | <u>according to 3.3.4.3 of R0_61-1:2017, 3.3.4.3</u> | device for setting the indication to zero automatically without the intervention of an operator | | <u>0289402894</u> |
| 168.197 | automatic zero-setting device | <u>according to T.2.7.2.3 of R0_76-1:2006, T.2.7.2.3</u> | device for automatically setting the indication to zero without the intervention of an operator | | 00922 |
| 169.198 | automatic zero-setting device | <u>according to 0.2.10.3 of R_106-1:2011, 0.2.10.3</u> | zero-setting device that operates automatically and without the intervention of an operator | | 0253463 |
| 170.199 | automatic zero-setting device | <u>according to T.2.4.3 of R_107-1:2007, T.2.4.3</u> | device for setting the indication to zero automatically without the intervention of an operator | | 01336 |
| 171.200 | automatic zero-setting device | <u>according to T.2.10.4 of R_134:2006, T.2.10.4</u> | zero-setting device that operates automatically and without the intervention of an operator | | <u>0289502930</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|--|---|-------|-----------------------------------|
| 172.201 | automatic zero-setting device | <u>according to T.2.5.1 of R_136-1:2004, T.2.5.1</u> | device for setting the indication to zero automatically without the intervention of an operator | | 01896 |
| <u>202.</u> | <u>automatic zero-setting device</u> | <u>according to 2.2.6.3 of R 150-1:2020</u> | <u>zero-setting device that operates automatically without the intervention of the operator</u> | | <u>02896</u> |
| 173.203 | auxiliary battery | <u>according to 3.25 of D0_11:2013, 3.25</u> | battery that is mounted in, or connected to, an instrument that can be powered by the mains power as well, and capable of supplying power to the complete instrument for a reasonable period of time. | | 02250 |
| 174.204 | auxiliary battery | <u>according to 2.3.3 of R0_59-1:2016, 2.3.3</u> | -battery that is (a) mounted in, or connected to, an instrument that can also be powered by the mains power, and (b) capable of completely powering the instrument for a reasonable period of time. | | 02439 <u>68</u> |
| <u>205.</u> | <u>auxiliary battery</u> | <u>according to A.1.15 of R 60:2021 - Annexes</u> | <u>battery that is</u> <ul style="list-style-type: none"> <u>mounted in, or connected to, an instrument that can also be powered by the mains power as well, and</u> <u>capable of supplying powering to the complete instrument for a reasonable period of time.</u> <u>(OIML D 11, 3.25)</u> | | <u>02897</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------|--|--|--|--------------------|
| 206. | auxiliary battery | according to 3.33 of R 142-1:2025 | battery that is (a) mounted in, or connected to, an instrument that can also be powered by the mains power, and (b) capable of completely powering the instrument for a reasonable period of time. | | 03709 |
| 175. | auxiliary devices | R129:2000, 2.6 | devices such as indicators that repeat the indication, ticket printers, card readers, data input terminals, etc. | | 01705 |
| 176.207 | auxiliary flow | according to 3.6 of R_116:2006, 3.6 | flow of argon gas between the intermediate and center (injector) tubes of an ICP torch that is used to adjust the position of the plasma optimally above the load coil | | 01519 |
| 177.208 | auxiliary scale | according to 3.6 of R_133:2002, 3.6 | short, optional scale, either at the lower end or the upper of the thermometer, that contains a reference point, usually the ice point (0_°C) | | 01779 |
| 178.209 | auxiliary verification device | according to T.2.7.7 of R0_76-1:2006, T.2.7.7 | device permitting separate verification of one or more main devices of an instrument | | 00930 |
| 179.210 | average error | according to 2.1.2.1 of R0_87:2016, 2.1.2.1 | sum of individual prepackage errors considering their arithmetic signs divided by the number of prepackages in the inspection lot or sample | Note 1: The average error for all prepackages in a sample with sample size n is designated by the symbol e_{ave} . | 0246392 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|--|---|--|---------------------|
| | | | | <i>Note 2:</i> The average error for all prepackages in an inspection lot with N prepackages is designated by the symbol E_{ave} . | |
| 180-211 | average error shift | <u>according to 2.3.2 of R_{59-1:2016}, 2.3.2</u> | algebraic mean of error shift values calculated from samples of the same grain type with different moisture levels. The resulting 'average' value is indicative of the average variation over the encompassed measurement range, as opposed to the variation in measured values at one point of the range | <i>Note:</i> In this Recommendation, reference to a resulting 'mean' value is reserved for the mean of replicated measurements, i.e. the mean of measured values on the same test sample (usually taken under repeatability conditions). | 02438-67 |
| 181-212 | average error shift | <u>according to 2.2.2 of R_{146-1:2016}, 2.2.2</u> | algebraic mean of error shift values calculated from samples of the same grain type with different protein (PMB) levels | <i>Note:</i> The resulting 'average' value is indicative of the average variation over the encompassed measurement range, as opposed to the variation in measured values at one point of the range. In this Recommendation, reference to a resulting 'mean' value is reserved for the mean of replicated measurements, i.e. the mean of measured values on the same test sample (usually taken under repeatability conditions). | 02772800 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|-------------------------------------|---|---|--|-----------------------|
| 213. | average error shift | according to 3.32 of R 142-1:2025 | the resulting 'average' value is indicative of average variation over the encompassed measurement range, as opposed to the variation in measured values at one point of the range | | 03710 |
| 182.214 | average number of loads per fill | according to 3.4.10 of R 61-1:2017 , 3.4.10 | half the sum of the maximum and minimum number of loads per fill that can be set by the operator or, in cases where the number of loads per fill is not directly determined by the operator, either the mean of the actual number of loads per fill (if known) in a period of normal operation, or the optimum number of loads per fill, as may be specified by the manufacturer for the type of product which is to be weighed | | 0289802902 |
| 215. | average speed meter | according to 3.3.4 of R 91-1:2025 | fixed-distance speed meter with closest detection fields separated by more than 50 m | <i>Note: Average speed meter are also referred to as section speed meters.</i> | 03741 |
| 183.216 | axle | according to 0.3.1.7 of R 106-1:2011 , 0.3.1.7 | comprises two wheel assemblies with centers of rotation lying approximately on a common axis extending the full width of the wagon and oriented transversely to the nominal direction of travel of the wagon | | 0254978 |
| 184.217 | axle load | according to 0.3.1.9 of R 106-1:2011 , 0.3.1.9 | fraction of the wagon mass that rests via the axle on the load receptor at the time of weighing | | 0255180 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|---|--------------------|
| 185-218 | axle partial weighing | according to 0.3.1.2.1 of R_106-1:2011, 0.3.1.2.1 | weighing a wagon for each axle weight on the same load receptor | the results are automatically added to indicate the wagon weight | 0253867 |
| 219. | azimuth angle of speed meter | according to 3.4.3 of R 91-1:2025 | horizontal angle between the course of the road and the centre line of speed meter (see Figure 2)³ | Note: In order documents, the azimuth angle of speed meter is sometimes called the horizontal alignment angle. | 03742 |
| 186-220 | back vertex power | according to 3.7.1 of R_093:1999, 3.7.1 | reciprocal of the paraxial value of the back vertex focal length measured in metres | | 01131 |
| 221. | Background | according to 3.9 of R 123:1997, | Signal produced in the detector resulting from the detection of X-rays other than X-rays from the analyzed element and from any noise produced elsewhere in the XRF spectrometer. | | 02899 |
| 187-222 | back-up battery | according to 3.39 of R_099-1:2008, 3.39 | battery that is intended to power specific functions of an instrument in the absence of the primary power supply (for example: to preserve stored data) [OIML D 11:2004, 3.24] | | 02375 |

³ see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---------------------------------|---|---|---|-----------------------|
| 188.223 | back-up battery | according to 2.3.4 of R_059-1:2016, 2.3.4 | battery intended to power specific functions of an instrument in the absence of the primary power supply. Example: to preserve stored data | | 02469 |
| 189.224 | back-up battery | according to 3.26 of D_011:2013, 3.26 | battery that is intended to maintain power supply for specific functions of an instrument in the absence of the primary power supply <i>Example: To preserve stored data.</i> | <i>Example: To preserve stored data.</i> | 02251 |
| 225. | back-up battery | according to A.1.16 of R 60:2021 - Annexes, | battery that is intended to maintain power supply for specific functions of an instrument in the absence of the primary power supply <i>Example: To preserve stored data.</i> (OIML D 11, 3.26) | | 02900 |
| 226. | back-up battery | according to 3.34 of R 142-1:2025 | battery that is intended to maintain power supply for specific functions of an instrument in the absence of the primary power supply. Example: To preserve stored data. | | 03711 |
| 190.227 | baffle | according to 2.22 of R_080-1:2009, 2.22 | Internal device of the tank or compartment, e.g. a partition wall or obstacle inside the tank, intended to damp the movement of liquid during transport and to increase the mechanical stability of the tank | | 02261 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|------------------------|---|--|-------|-----------------------|
| 228. | baffle | according to 2 of R 80-2:2017, | Internal device of the tank or compartment, e.g. a partition wall or obstacle inside the tank, intended to damp the movement of liquid during transport and to increase the mechanical stability of the tank | | 02901 |
| 191-229 | balance | according to 2.2 of R 111-1:2004, 2.2 | <p>instrument indicating apparent mass that is sensitive to the following forces:</p> <p>$F_g = m \times g$ gravity</p> <p>air buoyancy equal</p> <p>$F_b = V \times \rho_a \times g = \frac{m}{\rho} \rho_a \times g$ to the weight of the displaced air</p> <p>vertical component of</p> <p>$F_z = \mu_0 \iiint_V (M + \chi H) \frac{\partial H}{\partial z} dV$ the magnetic interaction between the weight and the balance and/or the environment</p> <p>H and M are vectors; z is the vertical Cartesian coordinate. If magnetic effects are negligible, i.e. the permanent magnetization (M) of the weight and the magnetic susceptibility (χ) are sufficiently</p> | | 01442 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|---|--|---|----------|
| | | | small, and the balance is calibrated with reference weights of well known mass, the balance can be used to indicate the conventional mass, m_c , of a body under conventionally chosen conditions | | |
| 192-230 | balancing weights by | according to T.5.1.1 of R0_76-1:2006, T.5.1.1 | value of metrologically controlled weights that balances the load (taking into account the reduction ratio of the load) | | 00963 |
| 193-231 | bank | according to 3.4.5 of R_139-1:201422, 3.4.5 | reservoir or set of reservoirs connected together, which form(s) part of a multi-segment gas storage system and for which the segments operate at different pressure levels from one another in refueling systems fitted with or using a sequential control device (see 3.4.6) | | 02902750 |
| 194-232 | base conditions | according to T.32 of R_125:1998, T.32 | the specified conditions to which a measured quantity is converted, e.g. base temperature and base pressure | <i>Note:</i> The values chosen as base conditions should preferably be 15-°C or 20-°C and 101-325-Pa. | 01651 |
| 195-233 | base conditions | according to 2.41 of R0_80-1:2009, 2.41 | specified conditions under which the measured volume of liquid is converted (example: temperature, density, pressure). | | 02280 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|---|--|---|----------------------|
| 196.234 | base conditions | according to T.c.3.1 of R_117-1:2007 , T.c.3.1 | specified values of the conditions to which the measured quantity of liquid is converted (example: base temperature and base pressure of the liquid) | <i>Note:</i> Metering and base conditions (which refer only to the volume of liquid to be measured or indicated) should not be confused with the "rated operating conditions" and "reference conditions" which apply to influence quantities. | 029034545 |
| 197.235 | base conditions | according to T.1.14 R_140:2007 , T.1.14 | specified conditions to which the measured quantities of gas are converted | <i>Note:</i> The terms "reference conditions" are frequently used instead of "base conditions". | 02057 |
| 198.236 | base conditions | according to 3.17 of R_81:1998 , 3.17 | the specified conditions of temperature and pressure to which the measured volume is converted | <i>Note:</i> Although the term "reference conditions" is often used instead of "base conditions", metering and base conditions (that refer only to the volume of the liquid to be measured or indicated), should not be confused with the "rated operating conditions" and "reference conditions" that apply to influence quantities. | 1026 |
| 199.237 | base conditions | according to 3.2.19 of R_137:2012 , 3.2.19 | conditions to which the measured volume of gas is converted (examples: base temperature and base pressure) | <i>Note:</i> Operating and base conditions relate to the volume of gas to be measured or indicated | 02675 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|---|--|--|-----------------------|
| | | | | only and should not be confused with "rated operating conditions" and "reference conditions" (VIM 4.9 and 4.11) which refer to influence quantities. | |
| 200-238 | base maximum permissible error mpe | according to 2.2.19 of R46-1:2012, 2.2.18 | extreme value of the error of indication of a meter, permitted by this Recommendation, when the current and power factor are varied within the intervals given by the rated operating conditions, and when the meter is otherwise operated at reference conditions | <i>Note:</i> In this Recommendation, the maximum permissible error is a combination of the base maximum permissible error and the maximum permissible error shift as described in Annex B . Błąd! Nie można odnaleźć źródła odwołania. | 02318 |
| 201-239 | base temperature coefficient of the lamp | according to 2.9 of R48:2004, 2.9 | dimensionless quantity numerically equal to a change in the radiance temperature of the tungsten ribbon (in °C) under changes in the base temperature by 1 °C at constant lamp current | | 00409 |
| 240. | base volume | according to 3.1 of D 36:2020, | constant reference volume that corresponds to the displacement of a full stroke of the displacer in the calibrated section | <i>Note:</i> A base volume is usually equivalent to the volume of the calibrated section. | 02904 |
| 202-241 | basic handle position H | according to 3.5 of R128:2000, 3.5 | the basic handle position H is defined by the vertical distance CH from the center C of the foot crank bearing to the handle connection point and | | 01696 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|--|---|---|-----------------------|
| | | | by the horizontal distance SH from the saddle position S to the handle connection point (see Fig. 1) | | |
| 203.242 | basic saddle position S | according to 3.4 of R128:2000, 3.4 | the basic saddle position S is defined by the vertical distance CS from the center C of the foot crank bearing to the surface of the saddle and by the angle α (see Fig. 1) | | 01695 |
| 204.243 | basis moisture content; moisture basis (MB) | according to 2.2.11 of R146-1:2016, 2.2.11 | basis moisture concentration, expressed as a percentage by mass, specified by the national responsible body for reporting protein content of the particular grain type | <i>Note:</i> When the specified MB is 0—%, the reported protein content is at ‘dry basis’. | 02809 |
| 205.244 | BBR own thermometer | according to 2.2.8 of R147:2016, 2.2.8 | built-in sensor connected to an internal or external device having an output signal (showing the device or the interface or the transmitter transforming a signal of the sensor into a normal electric signal) correlated with the temperature of the BBR radiation | | 02829 |
| 245. | beam width | according to 3.3.6 of R 91-1:2025, | angular span of a radiation beam in the horizontal plane | <p>Note 1: The angular span of a radiation beam in the vertical plane is referred to as vertical beam width</p> <p>Note 2: The beam width of a Doppler-radar based speed meter is commonly measured between half-maximum-power points (or</p> | 03743 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|--|-------|
| | | | | <p>-3dB points) on each side of the main lobe.</p> <p>Note 3: Beam widths can be expressed in angles or metres (at a specified distance). Angles are typically given in degrees (e.g. for Doppler-radar based speed meters) or in milliradians (mrad; e.g. for hand-held LIDAR speed meters). Figure 1 shows an example⁴.</p> | |
| 206-246 | Beer's factor ($K\varepsilon = \varepsilon b = Ac/c$) | according to 2.19 of R_135:2004, 2.19 | characteristic partial internal absorbance divided by the amount of substance concentration of the analyte. The Beer's factor is constant for specified experimental conditions | <p>Note 1:- The coherent SI unit is the cubic metre per mole (m^3/mol) but often the litre per mole (l/mol, L/mol) is preferred.</p> <p>Note 2:- For conditions of validity see 2.9.</p> | 01858 |
| 207-247 | being in service (use) | according to 2.24 of D0_16:2011, 2.24 | operational life cycle of a measuring instrument after its putting into service, i.e. a measuring instrument in use, after repair, relocated, or rebuilt that may be resold | | 02277 |

⁴ [see Annex A of OIML G 18](#)

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|-------|---------------------------|
| 208-248 | being in service (use) | according to 2.25 of D009:2004, 2.25 | operational life cycle of a measuring instrument after its putting into service, i.e. a measuring instrument in use, after repair, relocated, or rebuilt that may be resold | | 00207 |
| 249. | being in service (use) | according to 3.1.9 of R 126-1:2021, | operational life cycle of a measuring instrument after its putting into service, i.e. a measuring instrument in use, after repair, relocated, or rebuilt that may be resold (OIML D 9, 2.25) | | 02905 |
| 209-250 | belt conveyor | according to 2.2.2 of R0_50-1:19972014, T.3.2 | the equipment for conveying the product by means of a belt (e.g. by resting on rollers or idlers turning about their axis or by other devices) | | 029060489 |
| 210-251 | bi-directional (energy) flow | according to 2.2.34 of R0_46-1:2012, 2.2.34 | capability of the meter to measure energy flow in both directions (positive and negative) | | 02333 |
| 211-252 | blackbody radiator (BBR) | according to 3.1 of R_147:2016, 3.1 | source of thermal radiation with an effective emissivity ε close to 1 (as a rule, $\varepsilon \geq 0.95$ for radiators with a radiating cavity, and $\varepsilon \geq 0.9$ for the radiators with an extended flat surface) {Description of the category of instrument} | | 02835 |
| 212-253 | bladder | according to 2.1 of R0_16-1:2002, 2.1 | inflatable component of the cuff | | 00306 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|---|---|-----------------------------------|-----------------------|
| 213-254 | bladder | according to 2.1 of R_16-2:2002, 2.1 | inflatable component of the cuff | | 00321 |
| 255. | bladder | according to 2.2 of R 148-1:2020, | inflatable component of the cuff | | 02907 |
| 256. | bladder | according to 2.2 of R 149-1:2020, | inflatable component of the cuff | | 02908 |
| 214-257 | blank reference solution | according to 3.3.1 of R_100-1:2013, 3.3.1 | solution used to set the zero absorbance on the spectrometer and that normally consists of a pure solvent such as de-ionized water | | 02513 |
| 215-258 | blank solution reference solution | according to 2.13 of R_135:2004, 2.13 | solution similar to the sample solution but which does not contain the analyte Example: Solvent. | Example: Solvent. | 01852 |
| 216-259 | blank test solution | according to 3.3.2 of R_100-1:2013, 3.3.2 | solution that contains all the chemicals except for the element to be determined in the same concentration as required for the preparation of a reference standard solution of that element | | 02514 |
| 217-260 | blank test solution | according to 3.8 of R_116:2006, 3.8 | solution that is prepared in the same way as the sample solution but does not contain the element or elements to be determined | | 01521 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|----------------------|
| 218-261 | blend dispenser | according to T.b.1 of R_117-1:2001197, T.a.12 | fuel dispenser providing mixtures of various grades of a single product or blends of more than one product through a single nozzle; examples include gasoline (a multigrade-dispenser) and mixtures of gasoline and lubricating oil (a gasoline-oil-dispenser) | <i>Note:</i> Additive injection can be considered to be a type of gasoline-oil-dispenser. | 029091538 |
| 219-262 | blind test object (or blind material sample) | according to 1.2.8 of D0_20:1988, 1.2.8 | an unknown test object (or material sample) submitted for measurement to an organization in connection with an assessment of that organization's measurement capabilities | | 00142 |
| 220-263 | bogie | according to 0.3.1.8 of R_106-1:2011, 0.3.1.8 | set of two or more axles included in a defined group at each end of a wagon and their respective interspaces | | 02579 |
| 221-264 | bogie load | according to 0.3.1.11 of R_106-1:2011, 0.3.1.11 | sum of all axle loads in a defined bogie; a fraction of the wagon mass imposed on the static bogie from the effect of gravity at the time of weighing | | 02582 |
| 222-265 | bogie weighing partial | according to 0.3.1.2.2 of R_106-1:2011, 0.3.1.2.2 | weighing a wagon for each bogie weight on the same load receptor | <i>Note:</i> the results are automatically added to indicate the wagon weight | 02568 |
| 223-266 | bottom loading | according to 2.37 of R0_80-1:2009, 2.37 | loading of a measuring compartment from the bottom through a standardized dry adapter (e.g. an API adapter) and the bottom valve that is | | 02276 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|--|--|---|-----------------------|
| | | | integrated into the bottom of the measuring compartment and opened for this purpose | | |
| 267. | bottom loading | according to 2 of R 80-2:2017, | Loading of a measuring compartment from the bottom through a standardized dry adapter (e.g. an API adapter) and the bottom valve that is integrated into the bottom of the measuring compartment and opened for this purpose | | 02910 |
| 224:268 | breath alcohol analyzer | according to 2.1 of R_126:2012, 2.4 | instrument that measures and displays the breath alcohol mass concentration of exhaled human breath within specified error limits | | 02627 |
| 225:269 | brim capacity, V_r | according to 2.7 of R_138:2007, 2.7 | volume that the vessel is meant to contain when filled to the brim | | 01984 |
| 270. | built-for-purpose device | according to 3.2.4 of D 31:2023 | device constructed for the specific purpose of metrological task | Note 1: Built-for-purpose device include devices that may not incorporate an operating system. Note 2: If an operating system is present, it is not directly accessible. | 02911 |
| 226:271 | built-in manifold | according to 2.34 of R_80-1:2009, 2.34 | collecting line connected via diverting valves to the discharge pipes of the measuring compartments and allowing delivery from any one or several compartments via a common pipework. A | | 02273 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-----------------------------------|---|---|-------|-----------------------|
| | | | compartment connected to a built-in manifold has two possible outlets: its own outlet valve and its own diverting valve | | |
| 272. | built-in manifold | according to 2 of R 80-2:2017, | collecting line connected via diverting valves to the discharge pipes of the measuring compartments and allowing delivery from any one or several compartments via a common pipework. A compartment connected to a built-in manifold has two possible outlets: its own outlet valve and its own diverting valve | | 02912 |
| 227-273 | bulb | according to 3.2 of R_133:2002, 3-2 | reservoir for the thermometer liquid | | 01775 |
| 274. | bunker fuel | according to T.b.2 of R 117-1:2019 | Fuel with a dynamic viscosity of over 20 mPa·s at metering conditions, used for the propulsion of vessels | | 02913 |
| 228-275 | calculated net value | according to of R_76-1:2006, T.5.3.2 | value of the difference between a measured weight value (gross or net) and a preset tare value | | 00971 |
| 229-276 | calculated net value | according to T.3.2.4.2 of R_51-:2006, T.3.2.4.2 | value of the difference between a gross or net weight value and a preset tare value | | 00632 |
| 230-277 | calculated weight value | according to T.5.3.3 of R_76-1:2006, T.5.3.3 | calculated sum or difference of more than one measured weight value and/or calculated net value | | 00972 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------|--|--|---|----------------------|
| 231.278 | calculator | according to T.c.1 of R_117-1:2017 , T.c.1 | part of the meter that receives the output signals from the measuring device(s) and, possibly, also from associated measuring devices, processes them and, if as required appropriate , stores the results in memory until they are used. In addition, the calculator may be capable of communicating both ways with ancillary devices | <i>Note:</i> In addition, the calculator may be capable of communicating both ways with ancillary devices | 029141539 |
| 232.279 | calculator | according to 3.4.3 of R_75-1:2002 , 3.4.3 | a sub-assembly which receives signals from the flow sensor and the temperature sensors and calculates and indicates the quantity of heat exchanged | | 00849 |
| 233.280 | calculator | according to 3.1.4 of R_49-1:2024 , 3.1.4 | part of the meter that transforms the output signals from the <i>measurement transducer(s)</i> (3.1.2) and, possibly, from associated measuring instruments and, if appropriate , stores the results in memory until they are used | <i>Note 1:</i> The gearing is considered to be the calculator in a mechanical meter. <i>Note 2:</i> The calculator may be capable of communicating both ways with ancillary devices. | 02343 |
| 234.281 | calculator | according to R_139-1:2014 , 3.2.4 | association of metering calculator and operational calculator | <i>Note:</i> The metering calculator and the operational calculator may be two separate elements or they may form a single unit. Only where there is a particular need to dissociate the two kinds of calculators is the association of both functions called the | 02722 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|---|---|------------------------------------|------------------|
| | | | | calculator in this Recommendation. | |
| 235-282 | calculator | according to 3.1.5 of R_137:2012, 3.1.5 | part of the gas meter which receives the output signals from the measuring transducer(s) and, possibly, associated measuring instruments, transforms them and, if appropriate, stores the results in memory until they are used. In addition, the calculator may be capable of communicating both ways with ancillary devices | | 02650 |
| 236- | calculator | R105:1993, T.13.2 | a device that receives the output quantity from the transducer(s), checks and transforms it and, if appropriate, memorizes the results until they are used. In addition, the calculator may be capable of communicating both ways with peripheral equipment | | 01225 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------|---|--|---|-------|
| 237.283 | calculator | according to T.1.3 of R_140:2007, T.1.3 | part of the measuring system that receives the output signals from the flow measuring device(s) or from another calculator and possibly from the associated measuring instruments, transforms them, and, if appropriate, stores the results in memory until they are used. In addition, the calculator may be capable of transmitting and receiving data from peripheral equipment | <i>Note:</i> A measuring system may have one, two or more calculators, for instance a mechanical calculator to produce the volume at metering conditions and which transmits the value to a mechanical indicating device, an electronic calculator which also calculates the volume at metering conditions, associated with an electronic indicating device, and another one to calculate the converted value | 02043 |
| 238.284 | calculator | according to 3.7 of R0_81:1998, 3.7 | a part of the meter that receives the output signal from the transducer(s), transforms it and, if appropriate, stores in memory the results until they are used. Additionally, the calculator may be capable of communicating both ways with the peripheral equipment | | 01016 |
| 239.285 | calculator | according to 3.7 of R0_85-1:2008, 3.7 | part of the ALG that receives the output signals from the transducer and, if applicable, from ancillary devices and/or other devices, processes them and, if appropriate, stores the results in memory until they are used. In addition, the calculator may be capable of communicating both ways with other devices | | 02305 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|--|---|--|------------------|
| 286. | calculator | according to 3.2.4 of R 139-1:2022, | association of metering calculator and operational calculator | <i>Note:</i> The metering calculator and the operational calculator may be two separate elements or they may form a single unit. Only where there is a particular need to dissociate the two kinds of calculators is the association of both functions called the calculator in this Recommendation. | 02915 |
| 240-287 | calibrated tank | according to T.3 of R_125:1998, T.3 | a container which is calibrated and for which the results are given in a tank calibration table. This table is used in conjunction with the mass measurement transducer to determine the mass contained in the tank | | 01617 |
| 241-288 | calibration | according to T.11 of R0_95:1990, T.11 | a set of operations to determine the capacities of a tank at various filling level | | 01147 |
| 242-289 | calibration | according to 2.37 of R_135:2004, 2.37 | set of operations that establish, under specified conditions, the relationship between values of quantities indicated by a measuring instrument or measuring system, or values represented by a material measure or a reference material, and the corresponding values realized by standards [VIM, 6.11] | <i>Note 1:-</i> The result of a calibration permits either the assignment of values of measurands to the indications or the determination of corrections with respect to indications. | 01876 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|--|--|---|-------|
| | | | | <p><i>Note 2:-</i> _____ A calibration may also determine other metrological properties such as the effect of influence quantities.</p> <p><i>Note 3:-</i> _____ The result of a calibration may be recorded in a document, sometimes called a calibration certificate or a calibration report.</p> | |
| 243.290 | calibration | according to 1.1.2 of R_147:2016, 1.1.2 | operation that, under specified conditions, in a first step, establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and, in a second step, uses this information to establish a relation for obtaining a measurement result from an indication [OIML V2-200:2012, 2.39] [2] | | 02818 |
| 244.291 | calibration | according to 3.1.3 of D001:2012, 3.1.3 | operation that, under specified conditions, in a first step establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and, in a second step, uses this | | 02203 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|--|---|--|-------|
| | | | information to establish a relation for obtaining a measurement result from an indication [VIM 2.39] | | |
| 245-292 | calibration | according to 3.1.3 of R_59-1:2016, 3.1.3 | operation that, under specified conditions, in a first step, establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and, in a second step, uses this information to establish a relation for obtaining a measurement result from an indication [VIM 2.39] | <p><i>Note 1:</i> A calibration may be expressed by a statement, calibration function, calibration diagram, calibration curve, or calibration table. In some cases, it may consist of an additive or multiplicative correction of the indication with associated measurement uncertainty.</p> <p><i>Note 2:</i> Calibration should not be confused with adjustment of a measuring system, often mistakenly called “self-calibration”, nor with verification of calibration.</p> <p><i>Note 3:</i> Often, the first step alone in the above definition is perceived as being calibration.</p> | 02444 |
| 246-293 | calibration | according to 2.4.7 of R_110:1994, 2.4.7 | set of operations that establish, under specified conditions, the relationship between the values of pressure indicated by a pressure balance and the | | 01435 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|--|--|-------|-------|
| | | | corresponding values of pressure realized by a reference standard | | |
| 247.294 | calibration | according to 3.1 of R0_71:2008, 3.1 | set of operations carried out to establish, under specified conditions, the relationship between the liquid level in the tank and the volume of that liquid | | 02225 |
| 248.295 | calibration | according to 3.2 of D0_22:1991, 3.2 | the set of operations which establish, under specified conditions, the relationship between values indicated by a measuring instrument or measuring system and the corresponding known values of a measurand | | 00147 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-----------------------------|---|---|---|-----------------------|
| 249.296 | calibration | according to 2.3 of R_111-1:2004, 2.3 | set of operations that establish, under specified conditions, the relationship between values of quantities indicated by a measuring instrument or measuring system, or values represented by a material measure or a reference material, and the corresponding values realized by standards | <p><u>Note 1</u>:- The result of a calibration permits either assignment of values of measurands to the indications or the determination of corrections with respect to indications.</p> <p><u>Note 2</u>:- A calibration may also determine other metrological properties such as the effect of influence quantities.</p> <p><u>Note 3</u>:- The result of a calibration may be recorded in a document, sometimes called calibration certificate or calibration report</p> | 01443 |
| 250.297 | calibration | according to 3.16 of R_113:1994, 3.16 | the set of operations that establishes, under specified conditions, the relationship between values indicated by a measuring system and the corresponding known values of the measurand | | 01503 |
| 298. | calibration | according to 3.1.3 of R 126-1:2021, | operation that, under specified conditions, in a first step, establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and, in a second step, uses this | | 02916 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|-----------------------------|--|---|---|-----------------------|
| | | | information to establish a relation for obtaining a measurement result from an indication (OIML V 2-200, 2.39) | | |
| 299. | calibration | according to 3.2 of D 5:2022, | operation that, under specified conditions, in a first step, establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and, in a second step, uses this information to establish a relation for obtaining a measurement result from an indication | For notes see [VIM, 2.39] | 02917 |
| 300. | calibration | according to 3.3 of D 10:2022, | operation that, under specified conditions, in a first step, establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and, in a second step, uses this information to establish a relation for obtaining a measurement result from an indication | Note 1: A calibration may be expressed by a statement, calibration function, calibration diagram, calibration curve, or calibration table. In some cases, it may consist of an additive or multiplicative correction of the indication with associated measurement uncertainty. Note 2: Calibration should not be confused with adjustment of a measuring system, often mistakenly called “self- | 02918 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------|------------------------|--|---|--|-------|
| | | | | <p>calibration”, nor with verification of calibration.</p> <p><i>Note 3:</i> Often, the first step alone in the above definition is perceived as being calibration.</p> | |
| 301. | calibration [VIM 2.39] | according to 3.7 of R 142-1:2025, | operation that, under specified conditions, in a first step, establishes a relation between the quantity values with measurement uncertainties provided by measurement standards and corresponding indications with associated measurement uncertainties and, in a second step, uses this information to establish a relation for obtaining a measurement result from an indication | <p><i>Note 1:</i> A calibration may be expressed by a statement, calibration function, calibration diagram, calibration curve, or calibration table. In some cases, it may consist of an additive or multiplicative correction of the indication with associated measurement uncertainty.</p> <p><i>Note 2:</i> Calibration should not be confused with adjustment of a measuring system, often mistakenly called “self-calibration”, nor with verification of calibration.</p> <p><i>Note 3:</i> Often, the first step alone in the above definition is perceived as being calibration.</p> | 03712 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|--|-------|-----------------------|
| 302. | calibration and measurement capability (CMC) | according to 3.3 of D 10:2022, | calibration and measurement capability available to customers under normal conditions: a) as published in the BIPM key comparison database (KCDB) of the CIPM MRA (International Committee for Weights and Measures Mutual Recognition Arrangement); or b) as described in the laboratory's scope of accreditation granted by a signatory to the ILAC Arrangement (CIPM MRA-G-13) | | 02919 |
| 251:303 | calibration certificate (report) | according to 2.3.1 of R_111-1:2004, 2.3.1 | certificate issued only by authorized or accredited laboratories that record the results of a calibration | | 01444 |
| 252:304 | calibration curve | according to 3.9 of R_131:2001, 3.9 | graphical representation of the relationship between dosimeter response and absorbed dose for a given dosimetry system | | 01750 |
| 253:305 | calibration curve | according to 3.9 of R_132:2001, 3.9 | graphical representation of the relationship between dosimeter response and absorbed dose for a given dosimetry system | | 01766 |
| 254:306 | calibration curve | according to 4.10 of R_127:1999, 4.10 | graphical representation of the relationship between dosimeter response and absorbed dose for a given dosimetry system | | 01684 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|---|--|---|-------|
| 255.307 | calibration equation calibration | according to 2.2.3 of R_146-1:2016, 2.2.3 | set of calibration coefficients for one type of grain to convert raw instrument data into a protein content measurement | <i>Note:</i> Both these terms are used in the same context as 'calibration function' in Note 1 of VIM 2.39. | 02801 |
| 256.308 | calibration equation; calibration | according to 2.3.5 of R_59-1:2016, 2.3.5 | set of calibration coefficients for one type of grain to convert raw instrument data into a moisture content measurement | <i>Note:</i> Both these terms are used in the same context as 'calibration function' in Note 1 of VIM 2.39. | 02470 |
| 257.309 | calibration facility | according to 3.8 of R_131:2001, 3.8 | combination of either a photon or an electron source and associated instrumentation that provides uniform and reproducible absorbed dose, or absorbed dose rates, at specified locations within a specific material. The absorbed dose shall be traceable to national or international standards | | 01749 |
| 258.310 | calibration facility | according to 3.8 of R_132:2001, 3.8 | combination of either a photon or an electron source and associated instrumentation that provides uniform and reproducible absorbed dose, or absorbed dose rates, at specified locations within a specific material. The absorbed dose shall be traceable to national or international standards | | 01765 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---------------------------------------|---|---|--|-----------------------|
| 259.311 | calibration facility | according to 4.9 of R_127:1999, 4.9 | combination of an ionizing radiation source and associated instrumentation that provide uniform and reproducible absorbed dose, or absorbed dose rates, at specified locations within a specific material. The absorbed dose shall be traceable to national or international standards. | | 01683 |
| 312. | calibration hierarchy | according to 3.6 of D 5:2022, | sequence of calibrations from a reference to the final measuring system, where the outcome of each calibration depends on the outcome of the previous calibration | Fore notes see [VIM, 2.40] | 02920 |
| 260.313 | calibration mixture (CGM) gas | according to 2.24 of R_144-1:2013, 1.24 | stable gas mixture of known concentration (volume fraction) of a component being determined and used for periodic calibration and adjustment of the gas analyzer, as well as for tests of its metrological characteristics for compliance with the requirements of normative documents | | 02779 |
| 261.314 | calibration mixture (CGM) gas | according to 2.25 of R_143:2009, 2.25 | stable gas mixture of known SO ₂ concentration (volume fraction) used for periodic calibration and adjustment of the gas analyzer, as well as for tests of its metrological characteristics for compliance with the requirements of normative documents | | 02151 |
| 262.315 | calibration of the cell | according to 1.4 of R_56:1981, 1.4 | determination of the cell-constant by means of the absolute or comparison methods | | 00701 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|---|---|--|-----------------------|
| 263:316 | calibration solution standard solution | according to 2.14 of R_135:2004, 2.14 | solution of known concentration of the analyte providing the independent variable of the calibration function | | 01853 |
| 264:317 | calibration table | according to T.12 of R_95:1990, T.12 | the expression, in the form of a table, of the mathematical function $V(h)$ that represents the relation between the height h (independent variable) and the volume V (dependent variable) when the ship is on an even keel and has no list | | 01148 |
| 265:318 | calibration table | according to 3.13 of R_71:2008, 3.13 | expression in the form of a table, of the mathematical function $V(h)$ which represents the relation between the height h (independent variable) and the volume V (dependent variable) | | 02237 |
| 266:319 | calibration temperature characteristic of the lamp | according to 2.3 of R_48:2004, 2.3 | relationship between the values of the radiance temperature of the tungsten ribbon and the values of the current in its circuit | | 00403 |
| 320. | calibrated section | according to 3.2 of D 36:2020, | specified section in prover defined with a pipe (or culinder) and displacer(s) that has a constant cross-sectional area | Note: The volume inside a calibrated section, when it has been accurately determined in advance, may be used to define the base volume of the pipe prover. | 02921 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|---|-------|
| 267.321 | calorific value determining device (CVDD) | according to T.1.17 of R_140:2007, T.1.17 | associated measuring instrument for obtaining the calorific value of gas | | 02060 |
| 268.322 | capacity (contained in a standard graduated flask) | according to 2.1.1 of R_43:1981, 2.1.1 | the capacity « contained » in a standard graduated flask, corresponding to a scale mark (designated capacity « In »), is equal to the volume of water which the flask contains at the reference temperature, when filled to this scale mark | <i>Note:</i> The expression « filled to this scale mark », means that the meniscus formed by the water in the neck of the flask, is so adjusted that the horizontal plane passing through the upper edge of the scale mark, is tangential to the lowest point of the meniscus, when viewed in this plane. | 00398 |
| 269.323 | capacity (delivered by a standard graduated flask) | according to 2.1.2 of R_43:1981, 2.1.2 | the capacity « delivered » by a standard graduated flask, corresponding to a scale mark (designated capacity « Ex »), is equal to the volume of water delivered by the flask at the reference temperature, when filled to this scale mark and then emptied (see method described in appendix A, point A.3.2.) | <i>Note:</i> The expression « filled to this scale mark », means that the meniscus formed by the water in the neck of the flask, is so adjusted that the horizontal plane passing through the upper edge of the scale mark, is tangential to the lowest point of the meniscus, when viewed in this plane. | 00399 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|--|---|-------|
| 270.324 | capacity (of a burette) | according to 2.1 of R41:1981, 2.1 | the capacity corresponding to any scale mark is equal to the volume of water, at the reference temperature, delivered by the burette at this temperature when it is emptied from the zero mark to this scale mark, the outflow being unrestricted until the meniscus is set on this scale mark, no period being allowed for drainage of liquid adhering to the walls before making the final setting | <i>Note:</i> The meniscus formed by the water in the burette, must be so adjusted that the horizontal plane passing through the upper edge of the scale mark, is tangential to the lowest point of the meniscus when viewed in this plane. | 00395 |
| 271.325 | capacity (of a pipette) | according to 2.1 of R40:1981, 2.1 | the capacity corresponding to any scale mark, is equal to the volume of water at the reference temperature, delivered by the pipette at this temperature when it is emptied as specified in the appendix, point A.3., after filling it to the scale mark | <i>Note:</i> The meniscus formed by the water in the pipette, must be so adjusted that the horizontal plane passing through the upper edge of the scale mark, is tangential to the lowest point of the meniscus, when viewed in this plane. | 00391 |
| 272.326 | capacity serving measures | according to 2.2 of R138:2007, 2.2 | measures which are filled as required and used for the retail sale of drinks sold by volume. They are divided into two categories: transfer measures used solely for decanting specific volumes of beverages and drinking measures used also for the consumption of specific volumes of beverages | | 01979 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------|---|---|-------|----------------------------|
| 273.327 | carrier flow | according to 3.5 of R_116:2006, 3.5 | flow of argon gas directed through the nebulizer for transporting the aerosol sample through the injector and into the plasma | | 01518 |
| 274.328 | carrier gas | according to 3.1 of R_82:2006, 3.1 | gas introduced in order to transport a sample for analytical purposes. In gas chromatography it is the gas which is passed continuously through the column and whose passage promotes the elution of the components of the sample. The carrier gas, together with the portions of the sample present in this phase, constitute the mobile phase | | 01045 |
| 275.329 | carrier gas | according to 3.1 of R_83:2006, 3.1 | gas introduced in order to transport a sample for analytical purposes. In gas chromatography it is the gas which is passed continuously through the column and whose passage promotes the elution of the components of the sample. The carrier gas, together with the portions of the sample present in this phase, constitute the mobile phase | | 01061 |
| 276.330 | carrying rollers | according to 2.2.2.1 of R_50:2014-1997, 2.3.2.1 | the rollers by means of which the conveyor belt is supported on a fixed frame arrangements (commonly idlers) by which the conveyor belt is supported as it approaches and departs the load receptor | | 0292200490 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|---|---|---|-------|
| 277.331 | cartridge meter | according to 3.1.20 of R0_49-1:2024 13 , 3.1.20 | type of meter that is fitted into a closed conduit by means of an intermediate fitting called a connection interface | <i>Note:</i> The inlet and outlet passages of the meter and the connection interface are either concentric or axial as specified in (see OIML R 49-4), [5] . ISO 4064-4. [7] | 02388 |
| 278.332 | cartridge meter connection interface | according to 3.1.21 of R0_49-1:2024 243 , 3.1.21 | pipe fitting specific to the connection of an axial or concentric <i>cartridge meter</i> (3.1.20) | | 02389 |
| 279.333 | casks and barrels | according to 2.4 of R1_38:2007 , 2.4 | containers used for commercial transactions of liquids when they are filled to their nominal volume. To simplify the text, casks and barrels are referred to hereafter by the name “casks” only | | 01981 |

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|---------|--------------------|---------------------------------------|--|---|-------|
| 280:334 | catalytic activity | according to 2.24 of R_135:2004, 2.24 | property of a component corresponding to the catalyzed substance rate of conversion of a specified chemical reaction in a specified measurement system | <p>Note 1: 1- The coherent SI unit is the mole per second (mol/s), also called the “katal” (kat).</p> <p>Note 2: 2- Throughout this Recommendation the component” is an enzyme.</p> <p>Note 3: 3- The quantity “catalytic activity” relates to an amount of active enzyme, not its concentration (see 2.25).</p> <p>Note 4: 4- The measurement procedure employing defined indicator substance is an essential element for the definition of the measurand.</p> <p>Note 5: 5- In many instances, instead of the conversion rate of the substrate ascribed in the short name of the enzyme analyte, e.g. “creatine kinase”, the conversion rate of an indicator substance as substrate of a combined reaction, e.g. NADH, is measured. Then the measurand should be defined as “catalytic activity of the enzyme as measured by the conversion rate of an indicator substance in a specified system according to a given measurement procedure”, e.g. “catalytic activity of creatine</p> | 01863 |
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| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | | kinase as measured by the rate of conversion of NADH in the IFCC reference procedure in human serum". [ISO 18153, clause 3.2] | |
| 281.335 | catalytic activity concentration; catalytic concentration | according to 2.25 of R_135:2004, 2.25 | catalytic activity of a component divided by the volume of the original system | Note 1: 1. The derived coherent SI unit is the mole per second per cubic metre ($\text{mol}/(\text{s} \cdot \text{m}^3)$), also called kat/m^3 . In laboratory medicine the mole per second per litre ($\text{mol}/(\text{s} \cdot \text{L})$) is also frequently used. Note 2: 2. Throughout this Recommendation the component" is an enzyme and the "original system" can be, e.g., the plasma of a blood sample. [ISO/DIS 18153, clause 3.3] | 01864 |
| 282.336 | cell constant | according to 1.3 of R_56:1981, 1.3 | quantity characterizing a container of a given form and dimensions, for a given position of the level of liquid with respect to the electrodes (geometrical characteristic of the cell). | | 00700 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|---|---|---|-----------------------|
| 283.337 | centration error of the instrument | according to 3.11 of R0_93:1999, 3.11 | residual prismatic error of the instrument with no lens in place | | 01136 |
| 338. | centre line | according to 3.4.1 of R 91-1:2025, | line starting from the speed meter lying in the centre of the region monitored by the speed meter (see Figure 2)⁵ | <p>Note 1: For a speed meter with a fixed beam, the centre line is in the centre of the beam.</p> <p>Note 2: For a speed meter with a scanning beam, the centre line is in the centre of the scanning region.</p> | 03744 |
| 284.339 | certificate of conformity | according to 2.4 of R_111-1:2004, 2.4 | document provided by the national responsible body indicating confidence that an identified weight or weight set, or samples thereof, is in conformity with the relevant requirements of this Recommendation | Note: see OIML Certificate System for Measuring Instruments | 01445 |
| 285.340 | certification | according to 1.1.3 of R_147:2016, 1.1.3 | third-party attestation related to a conformity assessment body conveying a formal demonstration of its competence to carry out specific conformity assessment tasks [ISO/IEC 17000:2004, 5.5] 11 | | 02819 |

⁵ see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 341. | certification | according to 3.1.2 of D 34:2019, | third-party attestation related to products, processes, systems or person (from ISO/IEC 17000:2004, 5.5 and VIML, A.18)] | | 02923 |
| 342. | certification body | according to 3.5 of D 10:2022, | third-party conformity assessment body operating certification schemes | <i>Note:</i> A certification body can be non-governmental or governmental (with or without a regulatory authority). | 02924 |
| 286-343 | certified reference material | according to 3.3 of D 0_22:1991, 3.3 | a reference material one or more properties of whose property values are certified by a technically valid procedure, accompanied by or traceable to a certificate or other documentation which is issued by a certifying body | | 00148 |
| 344. | certified reference material | according to 3.21 of D 5:2022, | reference material, accompanied by documentation issued by an authoritative body and providing one or more specified property values with associated uncertainties and traceabilities, using valid procedures For examples and notes see [VIM, 5.14]. | | 02962 |

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|------|---|--------------------------------|--|--|-------|
| 345. | certified reference material CRM | according to 3.6 of D 10:2022, | <p>reference material, accompanied by documentation issued by an authoritative body and providing one or more specified property values with associated uncertainties and traceabilities, using valid procedures</p> <p><i>Example:</i> Human serum with assigned quantity value for the concentration of cholesterol and associated measurement uncertainty stated in an accompanying certificate, used as a calibrator or measurement trueness control material.</p> <p>(VIM3, 5.14)</p> | <p><i>Note 1:</i> 'Documentation' is given in the form of a 'certificate' (see ISO Guide 31:2000).</p> <p><i>Note 2:</i> Procedures for the production and certification of certified reference materials are given, e.g. in ISO Guide 34 and ISO Guide 35.</p> <p><i>Note 3:</i> In this definition, "uncertainty" covers both 'measurement uncertainty' and 'uncertainty associated with the value of a nominal property', such as for identity and sequence. "Traceability" covers both 'metrological traceability of a quantity value' and 'traceability of a nominal property value'.</p> <p><i>Note 4:</i> Specified quantity values of certified reference materials require metrological traceability with associated measurement uncertainty (Accred. Qual. Assur.:2006).</p> <p><i>Note 5:</i> ISO/REMCO has an analogous definition (Accred. Qual. Assur.:2006) but uses the modifiers "metrological" and "metrologically" to refer to both quantity and nominal property</p> | 02925 |
|------|---|--------------------------------|--|--|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|--|---|-------|-------|
| 287.346 | certified reference material (CRM) | according to 2.2 of D0_18:2008, 2.2 | reference material, accompanied by documentation issued by an authoritative body and providing one or more specified property values with associated uncertainties and traceabilities, using valid procedures [VIM:2007, 5.14] | | 02153 |

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|---------|------------------------------------|--|---|---|-------|
| 288-347 | certified reference material (CRM) | according to 2.1. of R 146-1:2016, 4.3 | {reference material, accompanied by documentation issued by an authoritative body and providing one or more specified property values with associated uncertainties and traceabilities, using valid procedures [VIM 5.14]} | <p>{ EXAMPLE Human serum with assigned quantity value for the concentration of cholesterol and associated measurement uncertainty stated in an accompanying certificate, used as a calibrator or measurement trueness control material.</p> <p>NOTE 1 'Documentation' is given in the form of a 'certificate' (see ISO Guide 31:2000).</p> <p>NOTE 2 Procedures for the production and certification of certified reference materials are given, e.g. in ISO Guide 34 and ISO Guide 35. 5.14 (6.14)</p> <p>NOTE 3 In this definition, "uncertainty" covers both 'measurement uncertainty' and 'uncertainty associated with the value of a nominal property', such as for identity and sequence. "Traceability" covers both 'metrological traceability of a quantity value' and 'traceability of a nominal property value'.</p> <p>NOTE 4 Specified quantity values of certified reference materials require metrological traceability with associated</p> | 02784 |
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| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|--|--|--|---|-------|
| | | | | <p>measurement uncertainty (Accred. Qual. Assur.:2006)[45].</p> <p>NOTE 5 ISO/REMCO has an analogous definition (Accred. Qual. Assur.:2006)[45] but uses the modifiers “metrological” and “metrologically” to refer to both quantity and nominal property}</p> <p>Refer to Annex B for guidelines on producing whole-grain CRMs. Further general information is in OIML D 18:2008 [Błąd! Nie można odnaleźć źródła odwołania.]}</p> | |
| 289-348 | certified reference material; (CRM) [VIM 5.14] | according to 38 of R 142-1:202508, 2.4 (annex 6) | reference material, accompanied by documentation issued by an authoritative body and providing one or more referring to valid procedures used to obtain a specified property values with associated uncertaintyies and traceabilityies, using valid procedures | | 02122 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|---|-------|
| 290.349 | certified reference material CRM | according to 2.1.4 of R_59-1:2016, 2.1.4 | reference material, accompanied by documentation issued by an authoritative body and providing one or more specified property values with associated uncertainties and traceabilities, using valid procedures [VIM 5.14] | | 02445 |
| 291.350 | certified reference material or absorbance | according to 2.17 of R_135:2004, 2.17 | reference material, accompanied by a certificate, the spectral absorbance of which is certified by a procedure which establishes metrological traceability to a national or international standard of absorbance, and for which each certified quantity value is accompanied by a measurement uncertainty at a stated level of confidence [adapted from ISO Guide 30 and VIM, clauses 6.1, 6.2, 6.3 and 6.14] | | 01856 |
| 292.351 | change of initial position | according to T of R_53:1982, T | displacement of the initial position after the elastic sensing element has been submitted to nominal pressure, to overload pressure, or to another pressure over a certain period of time | | 00688 |
| 293.352 | characteristic concentration characteristic mass | according to 3.5 of R_100-1:2013, 3.5 | concentration or mass of an element which produces a change from the blank test solution of 0.004 4 absorbance units (1 % absorption) at the wavelength of the absorption line employed | <i>Note:</i> Historically, sensitivity has been used for this term in this field. | 02516 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|---|-------|
| 294.353 | characteristic partial internal absorbance A_c ($A_c = \lg(\Phi_r / \Phi_s)$ $= \epsilon bc$) | according to 2.18 of R_135:2004, 2.18 | fraction of the absorbance of the solution on which the measurement is made due to a specified component | <u>Note</u> :- The characteristic partial internal absorbance has the dimension one and is expressed with the derived coherent SI unit one (1). The absorbance of the optical cell containing this solution is corrected for. Conditions for validity: see 2.9. Adapted from ISO 6286, Table 2, Nos. 19 and 20. | 01857 |
| 295.354 | check standard | according to 2.5 of R_111-1:2004, 2.5 | standard that is used in a statistical control process to provide a “check” to ensure that standards, measurement processes and results are within acceptable statistical limits | | 01446 |
| 296.355 | checking facility | according to T.34 of R_125:1998, T.34 | a facility that is incorporated in a measuring system and enables significant faults to be detected and acted upon | <u>Note</u> : “Acted upon” refers to any adequate response by the measuring instrument (luminous or acoustic signal, prevention of the measurement process, etc.). | 01653 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-------------------|---|---|-------|----------------------------|
| 297.356 | checking facility | according to T.c.2 of R_117-1:201907, T.e.2 | <p>facility incorporated in a measuring system which:</p> <ul style="list-style-type: none"> • — checks for the presence of a necessary device, • — enables an incorrectness in the generation, transmission, processing and/or indication of a measurement data to be detected and acted upon, and • - enables significant faults to be detected and acted upon | | 0292601540 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|--|---|-------|
| 298.357 | checking facility | according to 2.2.32 of R0_46-1:2012, 2.2.32 | facility that is incorporated in a measuring instrument and which enables significant faults to be detected and acted upon | <p><i>Note 1:</i> “Acted upon” refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.).</p> <p>[OIML V 1:2013, 5.07]</p> <p><i>Note 2:</i> For the application of this Recommendation, the term “measuring instrument” means: electricity meter and the action following the detection of a significant fault should be either to stop measuring and record the time and duration of the stop, or record the time and duration of the fault and the amount of energy measured during the fault.</p> <p><i>Note 3</i> Faults that are detected and acted upon by means of a checking facility shall not be considered as significant faults.</p> | 02331 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------|--|---|---|--------------|
| 299.358 | checking facility | according to 2.56 of R 80-1:2009, 2.56 | facility that is incorporated in a measuring instrument and which enables significant faults to be detected and acted upon | <i>Note:</i> "Acted upon" refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.). | 02295 |
| 359. | <u>checking facility</u> | <u>according to 2 of R 80-2:2017,</u> | <u>facility that is incorporated in a measuring instrument and which enables significant faults to be detected and acted upon</u> | <i>Note:</i> <u>"Acted upon" refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.).</u> | <u>02927</u> |

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|---------|-------------------|---|--|---|-------|
| 300-360 | checking facility | <u>according to 3.5.4 of R049-1:202413, 3.5.4</u> | <p>facility that is incorporated in a meter and which enables significant <i>fault(s)</i> (3.2.8) to be detected and acted upon</p> <p>[<u>SOURCE</u> source: OIML D11:2013, 3.19, [38], 3.19, modified — “meter” replaces “measuring instrument”; “Note 3” added.]</p> | <p><u>Note 1: Typically, checking facilities detect and act upon: of a transmission device aims to verify whether all the information which is transmitted (and only that information) is fully received by the receiving equipment.</u></p> <ul style="list-style-type: none"> - <u>incorrect function of specific device of the meter, and/or</u> - <u>disturbed communication between specific devices of the meter.</u> <p><u>Note 2: “Act upon” refers to any adequate response by measuring instrument (for example: a luminous signal, an acoustic signal, interruption or blocking of the measurement process, etc.).</u></p> <p><u>Note 3: The checking of a transmission device aims to verify whether all the information which is transmitted (and only that information) is fully received by the receiving equipment.</u></p> | 02437 |
|---------|-------------------|---|--|---|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|--|--|---|----------------------------|
| 301.361 | checking facility | according to 3.2.5 of D0_31:200823, 3.1.5 | facility that is incorporated in a measuring instrument and which enables significant faults defect to be detected and acted upon adapted from [OIML V 1:2023, 5.07] | Note 1: 1. “Acted upon” refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.). 2. [OIML D 11:2004, 3.18] | 0292802172 |
| 302.362 | checking facility | according to 2.3.6 of R0_59-1:2016, 2.3.6 | facility incorporated in a measuring instrument and which enables significant faults to be detected and acted upon | <i>Note:</i> “Acted upon” refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.). | 02471 |
| 303.363 | checking facility | according to 3.2.14 of R_139-1:202214, 3.2.14 | f Facility, incorporated in a measuring instrument (or system), which enables significant faults to be detected and acted upon, including <ul style="list-style-type: none"> incorrect functioning of a specific device of the measuring instrument or system, and/or disturbed communication between specific devices of the measuring instrument or system [OIML V1:2013, 5.07] | <i>Note:</i> “Acted upon” refers to any adequate response by the measuring instrument (for example a luminous signal, an acoustic signal, interruption or blocking of the measurement process, etc.). | 0292902734 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|--|---|-------|
| 304.364 | checking facility | according to 2.21 of R_144-1:2013, 1.21 | facility that is incorporated in a measuring instrument and which enables significant faults to be detected and acted upon | | 02776 |
| 305.365 | checking facility | according to T.4.2 of R_140:2007, T.4.2 | facility that is incorporated in a measuring system and which enables significant faults to be detected and acted upon | <i>Note:</i> The checking of a transmission device aims at verifying that all the information which is transmitted (and only that information) is fully received by the receiving equipment. | 02100 |
| 306.366 | checking facility | according to 2.22 of R_143:2009, 2.22 | facility that is incorporated in a measuring instrument and which enables significant faults to be detected and acted upon | <i>Note 1: 1:</i> “Acted upon” refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.). <i>Note 2: 2:</i> (OIML D 11:2004, 3.18 [1]) | 02148 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|---|--|-------|
| 307.367 | checking facility | according to 3.19 of D0_11:2013, 3.19 | facility incorporated in a measuring instrument which enables significant faults to be detected and acted upon | <p><i>Note 1:</i> Typically, checking facilities detect and act upon incorrect functioning of a specific device of the measuring instrument, and/or disturbed communication between specific devices of the measuring instrument.</p> <p><i>Note 2:</i> <i>Note 2:</i> “Act upon” refers to any adequate response by the measuring instrument (for example: a luminous signal, an acoustic signal, interruption or blocking of the measurement process, etc.).</p> | 02235 |
| 308.368 | checking facility | according to 3.29 of R0_99-1:2008, 3.29 | facility that is incorporated in the instrument and that enables significant faults to be detected and acted upon | <p><i>Note:</i> “Acted upon” means any adequate response by the instrument (luminous or acoustic signal, blocking of process, etc.);</p> <p>Adapted from OIML D 11:2004, 3.18.</p> | 02363 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|-----------------------------------|---|---|---|-----------------------|
| 309.369 | checking facility | according to 3.10 of R 85-1:2008, 3.10 | facility incorporated in an electronic automatic level gauge that enables: <ul style="list-style-type: none"> - significant faults; and/or - incorrect functioning of a specific device of the ALG; and/or - disturbed communication between specific devices of the ALG to be detected and acted upon | <i>Note 1:</i> “Acted upon” refers to any adequate response by the ALG (luminous signal, acoustic signal, prevention of the measurement process, etc.). | 02308 |
| 370. | checking facility | according to A.1.4 of R 60:2021 - Annexes | facility incorporated in a measuring instrument which enables significant faults to be detected and acted upon (OIML D11, 3.3) | | 02930 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|-----------------------------------|--|--|---|-----------------------|
| 371. | checking facility | according to 3.2.11 of R 126-1:2021 | facility that is incorporated in a measuring instrument and which enables significant defects to be detected and acted upon (adapted from OIML V 1, 5.07) | <i>Note:</i> “Acted upon” refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.) These significant defects could be for example <ul style="list-style-type: none"> • events that otherwise will result in significant faults, and/or • incorrect functioning of a specific device of the measuring instrument, and/or • disturbed communication between specific devices of the measuring instrument. | 02931 |
| 372. | checking facility | according to 3.22 of R 142-1:2025 | facility that is incorporated in a measuring instrument and which enables significant faults to be detected and acted upon | <i>Note:</i> “Acted upon” refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.). | 03713 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------------------|--|--|--|-------|-----------------------|
| 373. | checking facility (OIML V 1 [1], 5.07) | according to 3.1.8 of R 91-1:2025 | facility that is incorporated in a measuring instrument and which enables significant faults to be detected and acted upon | | 03745 |
| 340. 374 | checkweigher | according to T.1.3.1 of R 51-1:2006, T.1.3.1 | catchweigher that sub-divides prepackages of different mass into two or more sub-groups according to the value of the difference between their mass and the nominal set point | | 00562 |
| 341. 375 | chromatogram | according to 2.13 of R 112:1994, 2.13 | a record of the detector output signal versus time that has specific peaks associated with measured components of a sample | | 01485 |
| 342. 376 | chromatogram | according to 3.14 of R 113:1994, 3.14 | a record of the detector output signal versus time that has peaks corresponding to components of a sample | | 01501 |
| 343. 377 | chromatogram | according to 3.14 of R 82:2006, 3.14 | record of the detector output signal versus time that has peaks corresponding to specific components of the sample | | 01058 |
| 344. 378 | chronotachograph | according to 1.3 of R 55:1981, 1.3 | instrument designed to indicate and record instantaneous vehicle speed, the distance covered by the vehicle, and possibly other parameters of the journey (points 2.4.2. and 2.5.1.) | | 00692 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|---------------------------------|--|--|--|-----------------------|
| 315 379 | clinical electrical thermometer | according to 2.1 of R_114:1995, 2.1 | a clinical electrical thermometer, as covered by this Recommendation, is a contact thermometer comprising a temperature probe and an indicating unit, and that is designed to measure human or animal body temperature | | 01505 |
| 316 380 | clinical electrical thermometer | according to 2.1 of R_115:1995, 2.1 | a clinical electrical thermometer, as covered by this Recommendation, is a contact thermometer comprising a temperature probe and an indicating unit, and that is designed to measure human or animal body temperature | | 01509 |
| 317 | closed network | D031:2008, 3.1.6 | network of a fixed number of participants with a known identity, functionality and location (see also "open network"). | | 02173 |
| 381 | cloud | according to 3.2.6 of D 31:2023 | servers that are accessed over the internet or another network, and the software and databases that run on those servers | Note: Cloud servers may not be physically accessible to all parties and may be located in a different country. Their physical location may not be known and not fixed. | 03688 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--------------------------------------|---|---|-------|-----------------------|
| 318-382 | coefficient w of the vehicle | according to 1.5 of R0_55:1981, 1.5 | characteristic quantity showing the type (revolutions of the driving shaft or impulses) and number of signals emitted by the device provided on the vehicle, for connection to the odometer or chronotachograph, when the vehicle covers a distance of 1 km. The coefficient w must be expressed in the same units as constant k . The coefficient w varies according to vehicle load, and the dimensions, pressure and degree of wear of the tyres. It must be determined under standard test conditions (point 4.2.4.). | | 00694 |
| 349-383 | collector (manifold) | according to 2.33 of R0_80-1:2009, 2.33 | collecting line connected via valves to the outlets of the measuring compartments and allowing delivery from any one or several compartments via common pipework | | 02272 |
| 384. | collector (manifold) | according to 2 of R 80-2:2017, | collecting line connected via valves to the outlets of the measuring compartments and allowing delivery from any one or several compartments via common pipework | | 02932 |
| 320-385 | column | according to 2.2 of R_112:1994, 2.2 | a tube that contains the stationary phase through which the mobile phase flows | | 01474 |
| 321-386 | column | according to 3.2 of R_113:1994, 3.2 | a tube that contains the stationary phase through which the gaseous mobile phase flows | | 01489 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|---|-------|
| 322.387 | column | according to 3.3 of R0_82:2006, 3.3 | tube within the gas chromatograph that contains the stationary phase and through which the gaseous mobile phase flows | | 01047 |
| 323.388 | column | according to 3.5 of R0_83:2006, 3.5 | tube within the gas chromatograph that contains the stationary phase and through which the gaseous mobile phase flows | | 01065 |
| 324.389 | combination meter | according to 3.1.16 of R0_49-1:202413, 3.1.16 | meter comprising one large meter, one small meter, and a changeover device that, depending on the magnitude of the <i>flow rate</i> (3.3.1) passing through the meter, automatically directs the flow through either the small or the large meter, or both | <i>Note:</i> The meter reading is obtained from two independent totalizers, or from one totalizer which adds up the values from both water meters | 02384 |
| 325.390 | combination meter changeover flow rate Q_x | according to 3.3.6 of R0_49-1:202413, 3.3.6 | <i>flow rate</i> (3.3.1) at which the flow in the larger meter stops with decreasing flow rate (Q_{x1}) or starts with increasing flow rate (Q_{x2}) | | 02412 |
| 326.391 | combined instrument | according to 3.2 of R0_75-1:2002, 3.2 | a heat meter which has separable sub-assemblies as defined in 3.4 | | 00844 |
| 327.392 | combined meter | according to 3.1.15 of R0_49-1:202413, 3.1.15 | meter whose <i>measurement transducer</i> (3.1.2), <i>calculator</i> (3.1.4), and <i>indicating device</i> (3.1.5) are separable | | 02383 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------|--|--|---|--|--------------|
| <u>393.</u> | <u>combined standard measurement uncertainty</u> <u>combined standard uncertainty</u> | <u>according to 3.7 of D 10:2022.</u> | <u>standard measurement uncertainty that is obtained using the individual standard measurement uncertainties associated with the input quantities in measurement model</u> <u>(VIM3, 2.31)</u> | <u>Note: In the case of correlations of input quantities in measurement model, covariances must also be taken into account when calculating the combined standard measurement uncertainty; see also GUM:1995, 2.3.4.</u> | <u>02933</u> |
| <u>328.</u> | <u>commands</u> | <u>D031:2008, 3.1.7</u> | <u>commands may be a sequence of electrical (optical, electromagnetic, etc.) signals on input interfaces or codes in data transmission protocols. They can be generated by the software of the measuring instrument / electronic device / sub-assembly (software commands) or generated by the user through the user interface of the measuring instrument (user commands).</u> | | <u>02174</u> |
| <u>329.</u> | <u>communication</u> | <u>D031:2008, 3.1.8</u> | <u>exchange of information between two or more units (e.g. software modules, electronic devices, subassemblies, etc.) according to specific rules.</u> | | <u>02175</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---------------------------------|---|--|---|----------------------------|
| 330.394 | communication interface | according to 3.2.7 of D_31:202308, 3.1.9 | <p>part of an instrument that enables information to be passed between measuring instruments, components of measuring instruments or other external systems</p> <p>electronic, optical, radio or other technical interface that enables information to be passed between components of a measuring instrument (e.g. electronic devices) or sub-assemblies</p> | <p><i>Note 1:</i> Communication interfaces can utilize wired, optical, radio, etc. communication and they are usually designed to use a specific protocol.</p> <p><i>Note 2:</i> This definition does not include communication between software modules.</p> | 0293402176 |
| 331.395 | communication interface | according to 0.2.7.1 of R_106-1:2011, 0.2.7.1 | electronic, optical, radio or other hardware and software interface that enables information to be automatically passed between instruments and modules | | 02550 |
| 332.396 | comparison | according to 2.6 of R_111-1:2004, 2.6 | method of measurement based on comparing the value of a quantity to be measured with a known value of the same quantity | | 01447 |
| 397. | cmplaint | according to 3.10 of D_37:2022 | No OIML guidance | | 02935 |
| 333.398 | complementary displaying device | according to T.2.5.3 R_076-1:2006, T.2.5.3 | adjustable device by means of which it is possible to estimate, in units of mass, the value corresponding to the distance between a scale mark and the displaying component | | 00915 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|--|---|--|------------------|
| 334. | Complete Evaluation Report | D030:2008, 3-G.3-1 | report, issued by the OIML Issuing Authority, composed of the OIML Evaluation Report and of the Additional Test Reports | Complete Evaluation Reports are issued under the Mutual Acceptance Arrangement (MAA). | 02167 |
| 335.399 | complete instrument | according to 3.1 of R0_75-1:2002, 3-1 | a heat meter which does not have separable subassemblies as defined in 3.4. | | 00843 |
| 336.400 | complete meter | according to 3.1.14 of R0_49-1:2013, 3.1.14 | meter whose <i>measurement transducer</i> (3.1.2), <i>calculator</i> (3.1.4), and <i>indicating device</i> (3.1.5) are not separable | | 02382 |
| 337.401 | complete verification | according to 2.7 of D0_15:1986, 2.7 | a subsequent verification of a measuring instrument for which the full examination of the instrument, as for initial verification, is required [VML 2.4.4]. | | 00264 |
| 402. | <u>component</u> | <u>according to 3.2.8 of D 31:2023</u> | <u>identifiable hardware part of an instrument that performs a specific function or functions, and that can be separately evaluated according to specific metrological and technical performance requirements as specified in the relevant Recommendation</u> | | <u>03689</u> |
| 338.403 | composite measure | according to 2.2.3 of R0_35-1:2007, 2.2.3 | length measure which has one of the principal scale marks formed by an end surface or edge and the other by a line, hole or mark | | 00369 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|---|--|----------------------------|
| 339.404 | compressed gaseous fuel measuring systems for vehicles | according to 3.2.8 of R_139-1:2022 14 , 3.2.8 | measuring system intended for the refueling of motor vehicles with compressed gaseous fuel | <i>Note:-</i> Hereafter such a system is referred to as a “measuring system”. | 0293602728 |
| 340.405 | compressibility factor | according to T.1.21 of R_140:2007 , T.1.21 | parameter which indicates the deviation from the ideal gas | (see ISO 12213-1) | 02064 |
| 341.406 | compression loading | according to 3.2.1.1. of R_60-1:2021 00 , 2.1.1.1 | applying a compressive force applied to a the load cell | | 0293700702 |
| 342.407 | computer terminal | according to T.2.7.6 of R_51-1:2006 , T.2.7.6 | digital device that has one or more keys (or mouse, touch-screen, etc.) to operate the instrument, and a display to provide the weighing results transmitted via the digital interface of a weighing module or an analog data processing device | | 00590 |
| 408. | cosine error | according to 3.4.9 of R_91-1:2025. | measurement error due to a measurement angle which differs from the configured value, the nominal value or the value measured by the instrument | <i>Note:</i> The name of this term comes from the fact that the component of the velocity vector parallel to the line connecting the speed meter and the vehicle is given by $v_m = v \cdot \cos(\alpha)$, where the measurement angle α has in general a horizontal and a vertical component. | 03746 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|--|---|------------------------|
| 343.409 | concentric meter | according to 3.1.18 of R0_49-1:202413 , 3.1.18 | type of meter that is fitted into a closed conduit by means of a manifold | <i>Note:</i> The inlet and outlet passages of the meter and the manifold are coaxial at the interface between them. | 02386 |
| 344.410 | concentric meter manifold | according to 3.1.19 of R0_49-1:202413 , 3.1.19 | pipe fitting specific to the connection of a <i>concentric meter</i> &(3.1.18) | | 02387 |
| 345.411 | condenser tank | according to T.g.1.4 of R_117-1:201907 , T.g.1.4 | in pressurized liquefied gas measuring systems, a gas elimination device mainly consisting of a closed tank used to collect the gases contained in the liquid to be measured and to condense them before measuring | | 029380 1574 |
| 346.412 | conditioning | according to 3.4.10 of R0_49-1:202413 , 3.4.10 | exposure of the <i>equipment under test</i> (3.1.17) to an environmental condition (<i>influence factor</i> (3.4.2) or <i>disturbance</i> (3.4.3) in order to determine the effect of such a condition on it | | 02430 |
| 347.413 | conductance cell | according to 1.2 of R0_56:1981 , 1.2 | container intended for measurement of conductance | | 00699 |
| 348. | conformity | D030:2008 , 3-G.3-1 | fulfilment by a measuring instrument type of metrological and technical requirements as specified in the relevant Recommendation [OIML B 3] | | 02161 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---|--|---|--|-----------------------|
| 414. | conformity assessment | according to 3.1.3 of D 34:2019, | demonstration that specified requirements relating to a product, process, system, person or body are fulfilled (from ISO/IEC 17000:2004, 2.1 and VIML, A.1) | | 02939 |
| 415. | conformity assessment body | according to 3.8 of D 10:2022, | body that performs conformity assessment activities, excluding accreditation (ISO/IEC 17000, 4.6) | | 02940 |
| 349.416 | conformity assessment of a measuring instrument | according to 2.8 of D 0_16:2011, 2.8 | testing and evaluation of measuring instruments to ascertain whether or not a single instrument, an instrument lot or a production series of instruments comply with all statutory requirements applicable to this instrument type [VIML 2.11] | <p><i>Note 1:</i> Conformity assessment does not only concern metrological requirements but may also cover requirements relating to:</p> <ul style="list-style-type: none"> ▪ safety; ▪ EMC; ▪ software identification; ▪ ease of use; ▪ marking, etc. <p><i>Note 2:</i> Conformity assessment of a measuring instrument is hereafter referred to as “conformity assessment”.</p> | 02261 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------|---|--|---|---|-------|
| 350.41 | conformity assessment of a measuring instrument | according to 2.9 of D00_9:2004, 2.9 | testing and evaluation of a measuring instrument to ascertain whether or not a single instrument, an instrument lot or a production series of instruments comply with all statutory requirements applicable to this instrument type [VIML -2.11] | <p><i>Note:</i> Conformity assessment does not only concern metrological requirements but may also cover requirements relating to:</p> <ul style="list-style-type: none"> ▪ safety; ▪ EMC; ▪ software- identification; ▪ ease of use; ▪ marking; ▪ etc. | 00191 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|---|---|---|-----------------------|
| 418. | conformity to type (CTT) | according to 3.1.4 of D 34:2019, | conformity assessment procedure focused on the assessment of measuring instruments to give assurance that manufactured (or production) instruments meet approved type | Note: The concept of CTT as considered in this Dokumnet refers to a systematic pre-market conformity assessment procedure applicable to measuring instruments. It should not be confused with 'market surveillance' activities, which are sometimes performed as part of a systematic program but often are performed ad-hoc by public authorities based on risk assessment and market intelligence, e.g. user complaints. 'Market surveillance' is further discussed in Annex 7. | 02941 |
| 419. | conformity to type (CTT) program | according to 3.1.5 of D 34:2019, | Entity of national or regional framework for implementing the concept of CTT | | 02942 |
| 351.420 | connection interface for meters with exchangeable metrological modules | according to 3.1.24 of R0_49-1:202413, 3.1.24 | pipe fitting specific to the connection of exchangeable metrological modules | | 02392-- |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|---|--|-----------------------|
| 352.421 | constant k of odometer or chronotachograph | according to 1.4 of R0_55:1981, 1.4 | characteristic quantity showing the type (revolutions of the driving shaft or impulses) and number of signals which the odometer or chronotachograph must receive so that the indicated and/or recorded distance increases by 1—km. The constant k may be expressed in revolutions per kilometre, rev/km, or impulses per kilometre, imp/km | | 00693 |
| 422. | construction | according to 2.2 of R 150-1:2020, | (-) | Note: In this Recommendation the term “device” is used for any means by which a specific function is performed irrespective of the physical realization, e.g. by a mechanism or a key initiating an operation; the device may be a small part or a major portion of an instrument. | 02943 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|--------------|--|------------|--|-------|
| 353-423. | construction | according to T.2 of R0_51-1:2006, T.2 | (-) | <i>Note:</i> In this Recommendation the term “device” is used for any means by which a specific function is performed irrespective of the physical realization, e.g. by a mechanism, a key or software initiating an operation. The device may be a small part or a major portion of an instrument | 00577 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------|--------------|--|------------|---|------------|
| 354.424. | construction | according to 3.3 of R0_61-1:201704, T.2 | (-) | <p>In this Recommendation, the term “device” is applied to any part of a filling instrument which uses any means to perform one or more specific functions irrespective of the physical realization, e.g. by a mechanism or a key initiating an operation. The device may be a small part or a major portion of a filling instrument.</p> <p><u>Note: In OIML R 61 the term “device” is applied to any part of the AGFI which uses any means to perform one or more specific functions irrespective of the physical realization e.g. by a mechanism or a key initiating an operation; the device may be a small part or a major portion of the AGFI.</u></p> | 0294400762 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|-------------------------------|--|---|--|-------|
| 355.425. | construction | according to T.2 of R_107-1:2007, T.2 | (-) | <i>Note:</i> In this Recommendation the term “device” is used for any means by which a specific function is performed irrespective of the physical realization e.g. by a mechanism or a key initiating an operation; the device may be a small part or a major portion of an instrument. | 01323 |
| 356.426. | construction of an instrument | according to T.2 of R_76-1:2006, T.2 | (-) | <i>Note:</i> In this Recommendation the term “device” is used for any means by which a specific function is performed, irrespective of the physical realization, e.g. by a mechanism or a key initiating an operation. The device may be a small part or a major portion of an instrument. | 00892 |
| 357.427. | consumer | according to 2.18 of D_16:2011, 2.18 | each natural or legal person who acquires or buys products to use them (in some countries this applies only to individuals) | | 02271 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|--|---|---|-----------------------|
| 358.428. | consumer | according to 2.19 of D009:2004, 2.19 | each individual or business acquiring or purchasing products with a view to using them. (In some countries this applies only to individuals) | | 00201 |
| 359.429 | continuous totalizing automatic weighing instrument (belt weigher) | according to 2.1.3 of R050-1:20141997, T.1.3 | an automatic weighing instrument for continuously weighing a bulk product on a conveyor belt, without systematic subdivision of the mass and without interrupting the movement of the conveyor belt automatic weighing instrument for continuously weighing a bulk product for example on a conveyor belt, without interrupting the movement of the conveyor belt | <i>Note:</i> In this Recommendation a continuous totalizing automatic weighing instrument of the conveyor belt type is called a "belt weigher". | 0294500481 |
| 430. | continuous totalizing automatic weighing instrument | according to 2.1.3 of R 150-1:2020, | automatic weighing instrument for continuously totalizing the weight of the particles of a bulk product | | 02946 |
| 360.431 | contraction chamber | according to 3.3 of R_133:2002, 3.3 | enlargement of the capillary that is located below the main scale or between the main scale and auxiliary scale and that serves to reduce the length of the thermometer or to prevent contraction of the liquid column into the bulb | | 01776 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------------|---|---|-------|----------------------------|
| 361.432 | control charts for an instrument | according to 3.4 of D0_22:1991, 3.4 | graphical plots of test results from the same or similar samples or processes with respect to time or a sequence of such measurements, together with the limits within which the measurement values are expected to lie, when the instrument is in a state of statistical control | | 00149 |
| 362.433 | control device | according to 3.3.1.3 of R0_61-1:201704, T.2.1.4 | device that controls the operation of the feeding process. The device may incorporate software functions and that may incorporate software functions | | 0294700765 |
| 363.434 | control indicating device | according to T.4.3.4 of R_107-1:2007, T.4.3.4 | device indicating the value of the load on the load receptor and enabling the use of the instrument as a control instrument to weigh discrete loads for control purposes | | 01384 |
| 364.435 | control instrument | according to 0.1.11 of R_106-1:2011, 0.1.11 | weighing instrument used to determine the mass of a reference wagon by static weighing | | 02532 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|---|--|--|----------------------------|
| 365.436 | control instrument | according to T.1.5 of R_107-1:2007, T.1.5 | weighing instrument used to determine the conventional true value of the mass of the test loads during material tests | <i>Note:</i> Control instruments used for testing may be: separate from the instrument being tested; or integral, when a non-automatic (static) weighing mode is provided by the instrument being tested, which allows the weighing cycle to be interrupted (see 6.3). | 01319 |
| 366.437 | control instrument | according to T.1.4 of R_134:20063, T.1.5 | weighing instrument used to determine the mass of a reference vehicle weighing instrument used to determine the static reference vehicle mass of the reference vehicles and the static single-axle loads of a two-axle rigid reference vehicle. The control instruments used as a reference instrument during testing may be: - separate from the instrument being tested; or - integral, when a static weighing mode is provided by the instrument being tested. | | 0294801788 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|---|-------|-----------------------|
| 367.438 | control instrument | according to T.1.7 of R0_51-1:2006, T.1.7 | weighing instrument used to determine the conventional true value of the mass of the test load(s). Control instruments used for testing may be: - separate from the instrument being tested; or - integral, when a static weighing mode is provided by the instrument being tested | | 00570 |
| 368.439 | control instrument | according to 3.3.11.8 of R0_61- 1:201704, T.1.9 | weighing instrument used to determine the mass of the test fill(s) delivered by the filling instrument. The control instrument used during testing may be: — Separate from the instrument being tested; or — Integral, when the instrument being tested is used as the control instrument <u>weighing instrument used to determine the conventional value of the mass of the test load(s)</u> [VIML, 5.08 [2]] | | 0294900761 |
| 440. | <u>control instrument</u> | <u>according to 2.1.10 of R 150- 1:2020,</u> | <u>weighing instrument used to determine the conventional value of the mass of the test load(s)</u> [VIML:2013, 5.08] [2] | | <u>02950</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--------------------------------|---|---|---|----------------------------|
| 369.441 | control method | according to 2.1.6 of R0_50-1:20141997, T.1.5 | the method used to determine the mass of the product used as the test load during material tests. This will generally involve the use of a weighing instrument, referred to as the control instrument method used to determine the mass of the product used as the test load during product tests | Note: This will generally involve the use of a weighing instrument, referred to as the control instrument (see 2.1.10). | 0295100483 |
| 442. | control method | according to 2.1.6 of R 150-1:2020, | method used to determine the mass of the product used as the test load during product tests | Note: This will generally involve the use of a weighing instrument, referred to as the control instrument (see 2.1.10). | 02952 |
| 370.443 | control scale interval, d | according to T.3.1.2 of R_107-1:2007, T.3.1.2 | scale interval of a control indicating device | | 01359 |
| 371.444 | control value | according to 2.3.9 of R0_50-1:20141997, T.4.8 | the value, in units of mass, that is indicated by the totalization indicating device when a known additional mass has been simulated or deposited on the load receptor with the empty belt running for a prescribed number of complete revolutions | | 0295300523 |
| 445. | control value | according to 2.3.7 of R 150-1:2020, | value, in units of mass, that is indicated by the totalization indicating device when a known additional mass has been actually or by simulation introduced on the (empty) force receptor | | 02954 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|---|--|--|-------|
| 372.446 | controlled weighing area | according to 0.2.1 of R_106-1:2011, 0.2.1 | place specified for the operation of an instrument for weighing railway vehicles in motion which is in conformity with the requirements of this Recommendation | | 02537 |
| 373.447 | conventional linear characteristic | according to T of R_53:1982, T | characteristic reflecting the direct proportionality between displacement and pressure, the initial and final points of which coincide with the corresponding points of the forward elastic characteristic | | 00682 |
| 374.448 | conventional mass | according to 2.7 of R_111-1:2004, 2.7 | Conventional value of the result of weighing in air, in accordance with OIML D 28 <i>Conventional value of the result of weighing in air</i> [3]. For a weight taken at a reference temperature (t_{ref}) of 20 °C, the conventional mass is the mass of a reference weight of a density (ρ_{ref}) of 8_000_kg_m ⁻³ which it balances in air of a reference density (ρ_0) of 1.2_kg_m ⁻³ | <u>Note:</u> Also called the conventional value of mass. | 01448 |

| | Term | | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|------|---|--|---|-------|
| 375.449 | conventional capacity | true | according to 2.6 of R_138:2007, 2.6 | for measuring container bottles and casks: contained volume of water at a reference temperature with an uncertainty appropriate for the given purpose. For capacity serving measures: delivered volume of water at a reference temperature with an uncertainty appropriate for the given purpose. This volume is measured after prior wetting of the interior of the vessel and draining for 30 seconds | | 01983 |
| 376.450 | conventional quantity value | true | according to 3.15 of R_99-1:2008, 3.15 | quantity value attributed by agreement to a quantity for a given purpose [VIM:2007,2.12] | | 02348 |
| 377.451 | conventional value | true | according to 3.5 of D_22:1991, 3.5 | a value of quantity which, for a given purpose, may be substituted for the true value | | 00150 |
| 378.452 | conventional value | true | according to 4.12 of R_075-1:2002, 4.12 | value of a quantity which, for the purpose of this Recommendation, is considered as a true value | <i>Note:</i> A conventional true value is, in general, regarded as sufficiently close to the true value for the difference to be insignificant for the given purpose. | 00868 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|-------|
| 379.453 | conventional true value (of a quantity) | according to 0.1.12 of R_106-1:2011, 0.1.12 | value attributed to a particular quantity and accepted, sometimes by convention, as having an uncertainty appropriate for a given purpose [VIM 1.20] | | 02533 |
| 380.454 | conventional true value (of a quantity) | according to T.2.3 of R_140:2007, T.2.3 | value attributed to a particular quantity and accepted, sometimes by convention, as having an uncertainty appropriate for a given purpose [VIM:2007, 2.12] | | 02069 |
| 381.455 | conventional true value (of a quantity) | according to T.1.6 of R_107-1:2007, T.1.6 | value attributed to a particular quantity and accepted, by convention, as having an uncertainty appropriate for a given purpose [VIM:1993, 1.20] | | 01320 |
| 382.456 | conventional true value (of a quantity) | according to T.1.8 of R_051-1:2006, T.1.8 | value attributed to a particular quantity (mass of a body) and accepted, by convention, as having an uncertainty appropriate for a given purpose [VIM:1993, 1.20] | | 00571 |
| 383.457 | conventional true value (of a quantity) | according to T.1.9 of R_136-1:2004, T.1.9 | value attributed to a particular quantity (e.g. area of leather) and accepted, by convention, as having an uncertainty appropriate for a given purpose [VIM:1993, 1.20] | | 01888 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------------|---|---|-------|-----------------------|
| 384.458 | conventional true value of pressure | according to 2.4.2 of R_110:1994, 2.4.2 | a pressure value that is considered sufficiently close to the corresponding true value to be substituted for that value for purpose of the evaluation of errors | | 01430 |
| 385.459 | conversion device | according to T.c.4 of R_117- T.c.41:201907, | <p>device, which automatically converts:</p> <ul style="list-style-type: none"> • the volume measured at metering conditions into a volume at base conditions, or • the volume measured at metering conditions into a mass, or • the measured mass into a volume at metering conditions, or • the measured mass into a volume at base conditions, or • the volume at metering conditions or the measured mass of a mixture of pure ethanol (ethyl alcohol) and water into a volume or the mass of pure ethanol contained in that mixture, <p>by taking account of the characteristics of the liquid (temperature, pressure, density, relative density, etc.) measured using associated measuring devices, or stored in a memory.</p> <p>The ratio of the converted quantity to the quantity at metering conditions is referred to as the "conversion factor."</p> | | 0295501549 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------------|---|--|---|------------------|
| 386.460 | conversion device | according to 3.11 of R_081:1998, 3.11 | a device that automatically converts the volume measured at metering conditions into a volume at base conditions or into a mass, by taking account of the characteristics of the measured liquid (temperature, pressure, density, relative density, etc.) using associated measuring instruments, or associated values stored in a memory. The quotient of the volume at base conditions, or of the mass, to the volume at metering conditions is referred to as the “conversion factor” | | 01020 |
| 387.461 | conversion device | according to T.1.12 of R_140:2007, T.1.12 | (-) | <p>Note 1:4. In this Recommendation the wording “conversion device” covers conversion devices as such, as well as the conversion function in a calculator.</p> <p>Note 2:2. A calculator, a correction device and a conversion device may be combined in a single unit.</p> | 02053 |
| 388.462 | conversion equation | according to 2.1.1.3 of R_110:1994, 2.1.1.3 | an equation that relates the generated pressure and the mass of the used weights, taking into account the other input quantities | | 01420 |
| 389. | conversion factor (F) | R129:2000, 2.18 | the factor applied to the volume or dimensions of an object to determine its dimensional weight | | 01717 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---------------------------------------|--|--|-------|-----------------------|
| 463. | conversion factor | according to T.c.5 of R 117-1:2019, | ratio of the converted quantity to the quantity at metering conditions | | 02956 |
| 464. | conversion factor (F) | according to 2.3.8 of R 129-1:2020, | factor applied to the volume or dimensions of an object to determine its dimensional weight | | 02957 |
| 465. | conveyor | according to 2.2.2 of R 129-1:2020, | equipment for transporting the product to and from the chut weigher, (e.g. a conveyor belt, auger (screw type conveyer) or other product feed mechanism) | | 02958 |
| 390.466 | coolant flow | according to 3.7 of R_116:2006, 3.7 | flow of argon gas between the outer and intermediate tubes of an ICP torch at a rate depending on the torch design to maintain the plasma in the center of the torch and to prevent overheating the tube | | 01520 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|-------------------|---|---|--|-------|
| 391.46 | copy of a pattern | according to 1.2.1 of D_020:1988, 1.2.1 | an individual instrument which conforms, within specified limits, to a given pattern in all respects. | <p><i>Note:</i> The word « pattern » has been commonly used to refer to the definitive model of a measuring instrument as well as to the class of instruments that conform to it. The instruments produced by the manufacturer to replicate the pattern constitute a different class. The question of whether an instrument of the class conforms to the pattern is normally the subject of initial verification.</p> <p>Pattern approval not only implies the recognition that the pattern conforms to requirements but, generally, also relates to the instruments of the class produced by the manufacturer—; it usually conveys that these may be sold as legal for use and submitted for initial verification</p> | 00135 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|--|---|-------|
| 392.468 | copy of a pattern | according to 1.1.3 of D0_19:1988, 1.1.3 | an individual instrument which conforms, within specified limits, to a given pattern in all respects | <i>Note:</i> The word « pattern » has been commonly used to refer to the definitive model of a measuring instrument as well as to the class of instruments that conform to it. The instruments produced by the manufacturer to replicate the pattern constitute a different class. The question of whether an instrument of this class conforms to the pattern is normally the subject of initial verification. Pattern approval not only implies the recognition that the pattern conforms to requirements but, generally, also relates to the instruments of the class produced by the manufacturer; it usually conveys that these may be sold as legal for use and submitted for initial verification. | 00127 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|---|---|-----------------------|
| 393.469 | correction device | according to T.c.6 of R_117-1:201907, T.e.5 | device connected to or incorporated in the meter for automatically correcting the measured quantity at the time of measurement, by taking into account the flowrate and/or the characteristics of the liquid to be measured (viscosity, temperature, pressure, etc.) and the pre-established calibration curves. The characteristics of the liquid shall either be measured using associated measuring devices, or stored in the memory of the instrument | <i>Note:</i> The characteristics of the liquid shall either be measured using associated measuring devices, or stored in a memory in the instrument | 0295901550 |
| 394.470 | correction device | according to T.1.11.2 of R_140:2007, T.1.11.2 | device connected to or incorporated in the meter/and or a calculator for automatically correcting the volume at metering conditions, by taking into account the flowrate and/or the characteristics of the gas to be measured (temperature, pressure, gas composition, etc.) and by also taking into account pre-established calibration curves | <i>Note:</i> The characteristics of the gas may either be measured using associated measuring instruments, or stored in a memory in the instrument. | 02052 |
| 395.471 | correction device | according to 3.3.1.3.4 of R_061-1:201704, T.2.1.4.4 | device which automatically corrects the setting of the filling instrument device which automatically corrects the setting of the AGFI | | 0296000770 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|--|--|----------------------------|
| 396.472 | correction device | according to 3.1.7 of R_49-1:202413, 3.1.7 | device connected to or incorporated in the meter for automatic correction of the volume of water at <i>metering conditions</i> (3.2.11), by taking into account the <i>flow rate</i> (3.3.1) and/or the characteristics of the water to be measured and the pre-established calibration curves | <i>Note 1:</i> The characteristics of the water, e.g. temperature and pressure, may be either measured using associated measuring instruments or stored in a memory in the meter. <i>Note 2:</i> For the definition of the term “correction”, see ISO/IEC Guide 99:2007/OIML V2-200:2012 (VIM) [1], 2.53, [1]. | 02346-- |
| 397.473 | correction device | according to 3.1.7 of R_137:2012, 3.1.7 | device intended for correction of known errors as a function of e.g. flow rate, Reynolds number (curve linearization), or density, pressure and/or temperature | | 02652 |
| 398.474 | correction device | according to 3.2.14 of R_139-1:202214, 3.2.12 | device connected to or incorporated in the meter for automatically correcting the mass, by taking into account the flow rate and/or the characteristics of the gas to be measured (viscosity, temperature, pressure, etc.) and the pre-established calibration curves | | 0296102732 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|--|-------|-------|
| 399.475 | correction device | according to 3.10 of R_081:1998, 3.10 | a device connected to or incorporated in the meter for automatically correcting the volume in metering conditions, by taking account of the flowrate and/or the characteristics of the liquid to be measured (viscosity, temperature, pressure, etc.) and pre-established calibration curves. The characteristics of the liquid may either be measured using associated measuring instruments, or stored in a memory within the instrument | | 01019 |
| 400.476 | correction factor | according to T.1.10 of R_140:2007, T.1.10 | numerical factor (single constant or coming from a mathematical function " $f(q)$ ") by which the uncorrected result is multiplied to compensate for the estimated systematic error [adapted from VIM:2007, 2.53] | | 02050 |
| 401.477 | correction sensor | according to 3.6 of R_085-1:2008, 3.6 | sensor that measures a relevant property of the liquid and/or the medium above the liquid level for the purpose of applying a correction to the liquid level measurement | | 02304 |
| 402.478 | counter | according to T.2.10.4 of R_051-1:2006, T.2.10.4 | device counting the number of loads which have moved on to the load receptor (movement counter) or indicating the number of the loads in each of the sub-groups (division counter) | | 00607 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|---|--|---|----------------------------|
| 403.479 | coupled wagon | according to 0.1.9 of R_106-1:2011, 0.1.9 | wagon joined with other wagons | | 02530 |
| 404.480 | coupled weighing wagon | according to 0.3.1.3.2 of R_106-1:2011, 0.3.1.3.2 | determining the individual wagon mass of a train of coupled wagons | | 02571 |
| 405.481 | coverage factor | according to 3.23 of R_99-1:2008, 3.23 | number larger than one by which a combined standard measurement uncertainty is multiplied to obtain an expanded measurement uncertainty | <i>Note 1:</i> A coverage factor is usually symbolized by the letter k (see also GUM, 2.3.6). <i>Note 2:</i> 2 [VIM:2007, 2.38] | 02357 |
| 406.482 | creep | according to 3.7.1 of R_60-1:2021, 2.4.1 | change in load cell output occurring with time while under constant load and with all environmental conditions and other variables also remaining constant | | 0296300728 |
| 407.483 | critical points | according to T.3.2.6 of R_51-1:2006, T.3.2.6 | test load values at which the maximum permissible error changes | | 00635 |
| 408.484 | cross float sensitivity | according to 2.4.8 of R_110:1994, 2.4.8 | for a pressure balance tested by comparison against a standard pressure balance, the minimum change in load that results in a detectable change in the equilibrium of both the tested and the standard pressure balances | | 01436 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|---|--|-----------------------|
| 409.485 | cryogenic liquid | according to 3.1 of R081:1998, 3.1 | a fluid with a boiling point of less than 120_K (–153_°C) under atmospheric pressure conditions, which has been liquefied by refrigeration | | 01010 |
| 410.486 | cryptographic certificate | according to 3.2.9 of D031:202308, 3.1.10 | data set containing the public key belonging to a measuring instrument or a person plus a unique identification of the subject, e.g. serial number of the measuring instrument or name or Personal Identification Number (PIN) of the person. The data set is signed by a trustworthy institution with an electronic signature. The assignment of a public key to a subject can be verified by using the public key of the trustworthy institution and decrypting the signature of the certificate dataset containing the public key belonging to a measuring instrument or a person plus a unique identification of the subject, e.g. serial number of the measuring instrument or name or Personal Identification Number (PIN) of the person, plus a date of expiry, plus a trusted party signature | <i>Note:</i> The trusted party signature binds the public key to the unique identification of the subject. | 0296402177 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|---------------------|---|--|---|-------|
| 411.487 | cryptographic means | according to 2.2.1 of R_59-1:2016, 2.2.1 | encryption of data by the sender (storing or transmitting program) and description by the receiver (reading program) with the purpose of hiding information from unauthorized persons. Electronic signing of data with the purpose of enabling the receiver or user of the data to verify the origin of the data, i.e. to prove their authenticity [OIML D31, 3.1.11] | | 02459 |
| 412.488 | cryptographic means | according to 2.2.4 of R_146-1:2016, 2.2.4 | encryption of data by the sender (storing or transmitting program) and decryption by the receiver (reading program) with the purpose of hiding information from unauthorized persons electronic signing of data with the purpose of enabling the receiver or user of the data to verify the origin of the data, i.e. to prove their authenticity | [further information in OIML D 31:2008, 3.1.11] | 02802 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|----------------------|--|--|---|-------------------|
| 413.489 | cryptographic means— | <u>according to 3.2.10 of D0_31:202308, 3.1.11</u> | <p>encryption of data by the sender (storing or transmitting program) and decryption by the receiver (reading program) with the purpose of hiding information from unauthorized persons. Electronic signing of data with the purpose of enabling the receiver or user of the data to verify the origin of the data, i.e. to prove their authenticity.</p> <p><u>means such as encryption and decryption with the purpose of providing confidentiality, or hashes and signatures (see 3.2.14) to ensure integrity and authenticity</u></p> | <p>For electronic signing a public key system is used in general, i.e. the algorithm needs a pair of keys where only one has to be kept secret; the other may be public.</p> <p>The sender (the sending or storing program) generates a hash code (see 3.1.25) of the data and encrypts it with his secret key. The result is the signature. The receiver (the receiving or reading program) decrypts the signature with the public key of the sender and compares the result with the actual hash code of the data. In case of equality, the data are authenticated.</p> <p>The receiver may require a cryptographic certificate of the sender (see 3.1.10) to be sure of the authenticity of the public key.</p> | <u>0296502178</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------------|---|---|---|--|-----------------------|
| 490. | cryptographic means | according to 3.3.3 of R 126-1:2021, | means such as encryption/decryption with the purpose of hiding information from unauthorized persons, or hashes and signatures to ensure integrity and authenticity (OIML D 31, 3.1.8) | | 02966 |
| 491. | cryptographic means [OIML D 31, 3.1.8] | according to 3.24 of R 142-1:2025, | means such as encryption/decryption with the purpose of hiding information from unauthorized persons (see OIML D31, 3.1.13), or hashes and signatures to ensure integrity and authenticity | | 03714 |
| 414.492. | cuff | according to 2.3 of R 16-1:2002, 2.3 | component of the sphygmomanometer, comprising a bladder and a sleeve, which is wrapped around the limb of the patient | | 00308 |
| 415.493. | cuff | according to 2.3 of R 16-2:2002, 2.3 | component of the sphygmomanometer, comprising a bladder and a sleeve, which is wrapped around the limb of the patient | | 00323 |
| 494. | cuff | according to 2.3 of R 148-1:2020, | component of the non-invasive non-automated sphygmomanometer, comprising a bladder and a sleeve, which is wrapped around the limb of the patient | Note: A cuff might comprise a bladder and inelastic part that encloses the bladder, or have an integral bladder (i.e. the cuff including the bladder are fixed together or are one piece). | 02967 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|---|---|--|----------------------------|
| 495. | cuff | according to 2.3 of R 149-1:2020. | component of the non-invasive non-automated sphygmomanometer, comprising a bladder and a sleeve, which is wrapped around the limb of the patient | Note: A cuff might comprise a bladder and inelastic part that encloses the bladder, or have an integral bladder (i.e. the cuff including the bladder are fixed together or are one piece). | 02968 |
| 416.496 | cumulative weighing instrument | according to 3.2.2.2 of R0_61-1:201704, T.1.8.2 | automatic gravimetric filling instrument with one weighing unit with the facility to effect the fill by more than one weighing cycle AGFI comprising one weighing module with the facility to apply more than one weighing cycle for the composition of the desired fill | | 0296900759 |
| 417.497 | current (I) | according to 2.2.1 of R0_46-1:2012, 2.2.1 | value of the electrical current flowing through the meter | Note: The term “current” in this Recommendation indicates r.m.s. (root mean square) values unless otherwise specified | 02300-- |
| 418.498 | current circuit | according to of R0_46-1:2012, 2.1.10 | internal connections of the meter and part of the measuring element through which flows the current of the circuit to which the meter is connected [IEC 62052-11:2003, 3.2.6] | | 02289 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|---|---|--|-----------------------|
| 419.499 | customer | according to 3.24 of R_10-1:2004, 3.24 | manufacturer and/or an authorized representative who submits an application for type evaluation of a measuring instrument to an Issuing Authority participating in a DoMC in order to receive a Test Report and OIML Certificate for that instrument type | | 00115 |
| 500. | cut-off point | according to 2 of R 80-2:2017, | level at which the level gauge sensor is able to measure the minimum filling height at the maximum inclination of the tank | Note: Below this level a measurement of the filling height cannot be guaranteed. | 02970 |
| 420.501 | cyclic volume of a gas meter (positive displacement gas meters only) | according to 3.2.3 of R_137:2012, 3.2.3 | volume of gas corresponding to one full revolution of the moving part(s) inside the meter (working cycle) | | 02659 |
| 421.502 | damping tube | according to 2.29 of R_80-1:2009, 2.29 | mechanical device (usually in the form of a tube with holes) intended to minimize or eliminate the effect of surface waves on the level measurement and to protect the level sensor against mechanical damage | | 02268 |
| 503. | damping tube | according to 2 of R 80-2:2017 | mechanical device (usually in the form of a tube with holes) intended to minimize or eliminate the effect of surface waves on the level measurement and to protect the level sensor against mechanical damage | | 0203 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|--|---|--|-----------------------|
| 422-504 | data domain | according to 3.2.11 of D0_31:202308, 3.1.12 | location in memory that each program needs for processing data. Depending on the kind of programming language used, this location is defined by hardware addresses or by symbolic names (variable names). The size of the smallest addressable domain is typically one byte, but the size is nearly not limited: it ranges from 1 bit (e.g. a flag of a register) to arbitrary data structures which may be as large as the needs of the programmer are. Data domains may belong to one software module only, or to several. For high level languages (such as JAVA, C/C++, etc.) it is easy to separate the data domain of one software module from access by any other software modules by means of the language | <i>Note:</i> Data domains may belong to one software module only, or to several. | 0297202179 |
| 423-505 | data storage device | according to 0.2.9 of R_106-1:2011, 0.2.9 | storage device used for keeping weighing data ready after completion of the measurement for subsequent indication, data transfer, totalizing, etc. | | 02559 |
| 424-506 | data storage device | according to T.2.7.8.5 of R0_51-1:2006, T.2.7.8.5 | internal memory storage of the instrument or external (removable) storage device used for keeping measurement data ready after completion of the measurement | | 00596 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------|---|--|-------|------------------|
| 425-507 | data storage device | according to T.2.7.8.5 of R_21-1:2006, T.2.7.8.5 | storage on the instrument or external storage device used for keeping measurement data ready after completion of the measurement for subsequent legally relevant purposes | | 00357 |
| 426-508 | data storage device | according to T.2.8 of R_107-1:2007, T.2.8 | storage device used for keeping weighing data ready after completion of the weighing for later legally relevant purposes | | 01353 |
| 509. | data storage device | according to T.2.8 of R_107-1:2007, | storage device used for keeping measurement data ready after completion of the measurement for later legally relevant purposes (e.g. the conclusion of commercial transaction) | | 02976 |
| 510. | data storage device | according to 3.3.7 of R_61-1:2017, | storage device used for keeping weighing data ready after completion of the measurement for subsequent indication, data transfer, totalizing, etc. | | 03657 |
| 427-511 | datum point | according to T.6 of R_125:1998, T.6 | the datum point constitutes the origin for the measurement of liquid levels (zero reference). It is the intersection of the vertical measurement axis with the upper surface of the datum plate, or with the bottom, inside surface of the tank if a datum plate is not provided | | 01620 |

| | Term | Reference <u>to OIML Recommendation (R)</u> <u>or Document (D)</u> | Definition | Notes | ID |
|--------------------|------------------------|---|--|-------|-------|
| 428.512 | dead anatomical volume | <u>according to 2.7 of R_126:2012, 2.7</u> | conducting area of gas flow known as the area of conduction without significant exchange of a defined volume. This volume varies between individuals | | 02633 |
| 429.513 | dead stock | <u>according to T.14 of R_95:1990, T.14</u> | the volume of the liquid contained in the bottom of the tank up to the dipping datum point, when the ship is on an even keel and has no list | | 01150 |
| 430.514 | deadwood | <u>according to T.10 of R_95:1990, T.10</u> | the fittings of a tank and parts of the structure of the ship inside the tank, the volume of which must be added to or subtracted from the capacity of the tank in order to obtain the volume of liquid contained, when using the geometric method of calibration | | 01146 |
| 431.515 | deadwood | <u>according to 3.12 of R_71:2008, 3.12</u> | tank fittings, structure, piping and other equipment which affects the capacity of a tank. Deadwood is referred to as “positive deadwood” when the capacity of the fitting adds to the effective capacity of the tank, or “negative deadwood” when the volume of the fitting displaces liquid and reduces the effective capacity | | 02236 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|--|---|--|-----------------------|
| 516. | Declaration | according to G.3-2 of D 30:2020 | Document that is signed by OIML Issuing Authorities, Utilizers and Associates accepting to abide by the rules of OIML-CS. The scope of certification and/or acceptance of OIML type evaluation reports issued with an OIML Certificate under Scheme A or B are detailed in separate annexes which part of Declaration | | 02973 |
| 432.517 | declaration of conformity | according to 2.18 of D 27:2001, 2.18 | statement provided under the sole responsibility of an authorized manufacturer, having a validated quality management system, that a measuring instrument meets the legal metrological requirements for initial verification according to its approved type, if required | <i>Note:</i> Legal requirements may be issued as laws or regulations or in documentary standards (norms) referenced in them. | 00180 |
| 433.518 | deflation valve | according to 2.13 of R 16-1:2002, 2.13 | valve for controlled exhaust of the pneumatic system during measurement | | 00318 |
| 519. | deflation valve | according to 2.4 of R 148-1:2020 | valve for controlled exhaust of the pneumatic system during measurement | | 02974 |
| 520. | deflation valve | according to 2.4 of R 149-1:2020 | valve for controlled exhaust of the pneumatic system during measurement | | 02975 |
| 434.521 | delivery time | according to 2.3 of R 40:1981, 2.3 | is the time required for the free descent of the water meniscus, from the highest scale mark to the point at which the meniscus appears to stop at the tip | | 00394 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|---|---|-------|-----------------------|
| 435.522 | delivery time | according to 2.3 of R 41:1981, 2.3 | is the time required for the free descent of the water meniscus, from the zero mark to the lowest numbered scale mark, with the stopcock fully open and with no restriction of flow | | 00397 |
| 436.523 | demountable contact sensor | according to 2.2.6 of R 147:2016, 2.2.6 | contact thermometric sensor which can be removed from the BBR without dismantling it for the purpose of a separate calibration and/or verification | | 02827 |
| 437.524 | density of a body | according to 2.8 of R 111-1:2004, 2.8 | Mass divided by volume, given by the formula $\rho = \frac{m}{V}$ | | 01449 |
| 438.525 | design compliance | according to 1.1 of R 145-1:2015, 1.1 | compliance of a tonometer according to the design and construction of the manufacturer | | 02780 |
| 526. | detection field | according to 3.3.10 of R 91-1:2025, | section on the road containing all possible locations of a detection point (considering the possible variation of the location of the detection point) | | 03747 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|-----------------|--|---|---|-------|
| 439:527 | detection limit | according to 3.2 of R_123:1997, 3.2 | <p>concentration of an element which provides an output signal equivalent to three times the standard deviation of the background. It is the minimum quantity of an element that can be detected. For this Recommendation, it may be derived from the statistical variation in the background using the following equation:</p> $D = 3 (B/t)^{1/2}/S$ <p>where:</p> <p>D = detection limit (unit of concentration);</p> <p>B = background (counts per second);</p> <p>t = measurement time (seconds);</p> <p>S = sensitivity (counts per second per unit of concentration).</p> | <p><u>Note:</u> When applied in a measurement method or for an analysis, the limit of quantitation of the instrument is an important parameter. It is defined as being a value equal to 10 times the standard deviation of the background and also would include the variations associated with sampling and analysis</p> | 01606 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|-----------------|--|--|--|-------|
| 440:528 | detection limit | according to 3.6 of D022:1991, 3.6 | the concentration of a substance that will yield a mean output signal equal to three times the mean short term noise level, as determined on a statistical basis | <p><i>Note 1:</i> 4: The detection limit is sometimes defined as an output signal equal to some other multiple (e.g., two or ten) of the noise level [2]. The noise level is the random background output signal of an instrument when sampling a blank or clean filtered air.</p> <p><i>Note 2:</i> 2: In this Document, the concentration of an airborne pollutant in either a gas or vapor phase is most often expressed in terms of the volume fraction of the pollutant in air: parts-per-million (ppm) $[v/v \cdot (10^{-6})]$. Conditions of temperature and pressure shall be specified for conversions to units of mass per unit volume (usually mg/m^3). Standard conditions may be specified, and for temperature may be 0°C or 20°C and for pressure one atmosphere or $101\,325\text{ Pa}$.</p> | 00151 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|--|---|--|-------|
| 441.529 | detection limit | according to 3.9 of R_83:2006, 3.9 | minimum amount of a specific compound which, when injected into the gas chromatograph, produces a signal-to-noise ratio of at least 3 for a characteristic base peak of that compound depending on the mode of ionization and over a specified mass range | <i>Note:</i> Some compounds do not give a molecular ion, but all amenable compounds have a base peak in their spectra; the base peak is the most intense or abundant ion in a mass spectrum. | 01069 |
| 442.530 | detection limit | according to 3.9 of R_113:1994, 3.9 | the smallest quantity of a sample component which yields a detector output signal that is three times greater than the short- term noise. <i>Note:</i> | <i>Note:</i> This term is also referred to as «minimum detectability» or «minimum detectable limit (MDL)» in references and manufacturer's literature. The detection limit is sometimes defined as the output signal equal to some other multiple (for example, two or ten) of the noise level and may depend somewhat on whether the gas chromatograph is being used for quantitative or qualitative analysis | 01496 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|---|--|--|-------|
| 443.531 | detection limit | according to 3.11 of R_116:2006, 3.11 | concentration of an element that provides an output signal equivalent to three times the standard deviation of the mean of the output signal of a blank solution and is the minimum quantity measured before it can be concluded that an element has been detected | <i>Note:</i> In this Recommendation, this term refers to the determination of an element in a reference solution free of interfering elements. The baseline noise is established by measuring the output signal of several aliquots of the blank test solution. | 01524 |
| 444.532 | detection limit | according to 3.11 of R_82:2006, 3.11 | mass flow rate (for mass flow rate dependent detectors) or concentration (for concentration-dependent detectors) yielding a signal equal to three times the short-term noise level as determined on a statistical basis | <i>Note:</i> This term is also referred to as “minimum detectability”, or “minimum detectable limit (MDL)”, in some references and manufacturer's literature. It is sometimes defined as an output signal equal to some other multiple (two or ten) of the noise level and depends somewhat on whether the gas chromatograph is used for quantitative or qualitative analysis. | 01055 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|------------------------------------|--|--|--|-----------------------|
| 445:533 | detection limit for the instrument | according to 2.9 of R_112:1994, 2.9 | the concentration of the sample component of interest that gives a detector output signal equal to three times the short-term noise | <i>Note:</i> This term is also referred to as «minimum detectability» in some references and manufacturer's literature. It is sometimes defined as an output signal equal to some other multiple (for example, two or ten) of the noise. | 01481 |
| 534. | detection point | according to 3.3.9 of R 91-1:2025, | point on the road at which passing vehicles are detected | | 03748 |
| 446:535 | detector | according to 3.3 of R_123:1997, 3.3 | device that converts the energy absorbed from the X-rays emitted by a sample into electric signals | | 01607 |
| 447:536 | detector | according to 2.7 of R_112:1994, 2.7 | the device that responds to the presence of sample components eluting from the column | | 01479 |
| 448:537 | detector | according to 3.7 of R_113:1994, 3.7 | a device that responds to sample components in the eluate of the column | | 01494 |
| 449:538 | detector | according to 3.7 of R_83:2006, 3.7 | device that can respond to eluted sample components in the carrier gas emerging from the gas chromatographic column and that is contained within the mass spectrometer in a GC/MS system | | 01067 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--------------------------|---|---|--|-----------------------|
| 450.539 | detector | according to 3.8 of R_82:2006, 3.8 | device that can respond to eluted sample components in the carrier gas emerging from the column | | 01052 |
| 451.540 | detector | according to 3.10 of R_116:2006, 3.10 | device that responds to light signals passing through the exit slit of the polychromator or scanning monochromator of the ICP system | | 01523 |
| 541. | detector | according to 3.3 of D 36:2020, | contact sensor or non-contact (optical or mechanical) sensor that is used to detect the position of the displacer | Note: A mechanical detector using a cantilever is often employed in certain pipe provers. The lever is pushed by the displacer and actuates an electrical switch installed outside the pipe wall. A linear encoder is used for a piston prover to transmit a pulse signal that is proportional to the displacement of the displacer. | 02977 |
| 452.542 | device | according to T.9 of R_125:1998, T.9 | a part of an instrument that performs a specific function. It is usually manufactured as a separate unit and is capable of being independently tested | | 02623 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------|---|--|--|----------------------------|
| 453.543 | device | according to T.2 of R_136-1:2004, T.2 | (-) | <i>Note:</i> In this Recommendation the term “device” is used for any means by which a specific function is performed irrespective of the physical realization, e.g. by a mechanism or a key initiating an operation; the device may be a small part or a major portion of a measuring instrument. | 02978 |
| 454.544 | device | according to 2.2.1 of R_21:2007, 2.2.1 | in this Recommendation the term “device” is used for any means by which a specific function is performed irrespective of the physical realization e.g. by a mechanism or a key initiating an operation; the device may be a small part or a major portion of an instrument | | 00344 |
| 455.545 | device | according to 3.2.1 of R_139-1:2022 14 , 3.2.1 | distinctive part of a measuring instrument or measuring system performing a specific task | Note 1: A device can either be a physical part or concern a function (for instance in the software). Note 2: A “facility” can also be regarded as a device in accordance with this definition (see also note 4.2.4). | 0297902717 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|------------------------|--|--|---|-----------------------|
| 456.546 | device | according to 2.1.2 of R_129-1:202000, 2.2 | a part of an instrument that is usually manufactured as a separate unit and is capable of being independently tested identifiable instrument or part of an instrument or of a family of instruments that performs a specific function or functions [OIML D11, 3.3 [5]] | <i>Note:</i> A device may be a stand-alone and complete measuring instrument (for example: counter scale, electricity meter) or a part of a measuring instrument (for example: printer, indicator). | 0298001701 |
| 457.547 | device | according to 3.3 of D0_11:2013, 3.3 | identifiable instrument or part of an instrument or of a family of instruments that performs a specific function or functions | <i>Note:</i> A device may be a stand-alone and complete measuring instrument (for example: counter scale, electricity meter) or a part of a measuring instrument (for example: printer, indicator). | 02217 |
| 548. | device | according to 3.3.2.1 of R 61-1:2017, | identifiable instrument or part of an instrument or of a family of instruments that performs a specific function or functions | <i>Note:</i> A device may be a stand-alone and complete measuring instrument (for example: counter scale, electricity meter) or a part of a measuring instrument (for example: printer, indicator). | 03658 |
| 549. | device | according to A.1.3 of R 60:2021 - Annexes, | identifiable instrument or part of an instrument or of a family of instruments that performs a specific function or functions (OIML D 11, 3.3.) | | 02981 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|-------|
| 458.550 | device for interpolation of reading (vernier or nonius) | according to T.2.5.2 of R0_76-1:2006, T.2.5.2 | device connected to the displaying component and sub-dividing the scale of an instrument, without special adjustment | | 00914 |
| 459.551 | device specific parameter | according to T.2.7.8.3 of R0_51-2006, T.2.7.8.3 | legally relevant parameter with a value that depends on the individual instrument. Such parameters comprise calibration parameters (e.g. span adjustments or corrections) and configuration parameters (e.g. maximum capacity, minimum capacity, units of measurement, etc.). They are adjustable or selectable only in a special operational mode of the instrument. They may be classified as those that should be secured (unalterable) and those that may be accessed (settable parameters) by an authorized person | | 00594 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|--|-------|-------|
| 460.552 | device specific parameter | according to T.2.8.4 of R0_76-1:2006, T.2.8.4 | legally relevant parameter with a value that depends on the individual instrument. Device-specific parameters comprise calibration parameters (e.g. span adjustment or other adjustments or corrections) and configuration parameters (e.g. maximum capacity, minimum capacity, units of measurement, etc.). They are adjustable or selectable only in a special operational mode of the instrument. Device-specific parameters may be classified as those that should be secured (unalterable) and those that may be accessed (settable parameters) by an authorized person | | 00935 |
| 461.553 | device-specific parameter | according to 2.2.8.3 of R0_21:2007, 2.2.8.3 | legally relevant parameter that depends on the individual taximeter. Such parameters comprise adjustment and configuration parameters. They are adjustable or selectable only in a service mode of the taximeter and may be classified as those that should be secured and those that may be accessed (settable parameters) | | 00353 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|---|--|-------|-----------------------|
| 462. 554 | device-specific parameter | according to T.2.7.7.4 of R_107-1:2007, T.2.7.7.4 | legally relevant parameter with a value that depends on the individual instrument. Device specific parameters comprise calibration parameters (e.g. span adjustments or other adjustments or corrections) and configuration parameters (e.g. maximum capacity, minimum capacity, units of measurement, etc.). They are adjustable or selectable only in a special operational mode of the instrument. Device specific parameters may be classified as those that should be secured (unalterable) and those that may be accessed (settable) by an authorized person | | 01351 |
| 463. 555 | device-specific parameter | according to 0.2.8.4 of R_106-1:2011, 0.2.8.4 | legally relevant parameter with a value that depends on the individual instrument such parameters comprise calibration parameters (e.g. span adjustments or corrections) and configuration parameters (e.g. maximum capacity, minimum capacity, units of measurement, etc.) they are adjustable or selectable only in a special operational mode of the instrument and may be classified as those that should be secured (unalterable) and those that may be accessed (settable parameters) by an authorized person | | 02556 |
| 556. | device-specific parameter | according to 3.3.6.4 of R 61-1:2017, | legally relevant parameter with a value that depends on the individual instrument (VIML, 4.12) | | 03659 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|---|--|--|-----------------------|
| 464.557 | device-specific parameter | according to 3.2.12 of D0_31:202308, 3.1.13 | legally relevant parameter with a value that depends on the individual instrument, <u>component and/or module(s) subject to legal control</u> . Device-specific parameters comprise adjustment parameters (e.g. span adjustment or other adjustments or corrections) and configuration parameters (e.g. maximum value, minimum value, units of measurement, etc.) adapted from [OIML V 1:2022, 4.12] | Note 1: Device-specific parameters comprise adjustment parameters (e.g. span adjustment or other adjustments or corrections) and configuration parameters (e.g. maximum value, minimum value, units of measurement, etc.) Note 2: See also 6.2.3.4. | 0298202180 |
| 558. | device-specific parameter | according to 2.2.9.4 of R 150-1:2020 | legally relevant parameter with a value that depends on the individual instrument [VIML:2013, 4.12] | Note: Device-specific parameters comprise adjustment parameters (e.g. span adjustment or other adjustments or corrections) and configuration parameters (e.g. maximum value, minimum value, units of measurement, etc.) | 02983 |
| 465.559 | diastolic blood pressure (value) | according to 2.4 of R0_16-1:2002, 2.4 | minimum value of the arterial blood pressure as a result of relaxation of the systemic ventricle | Note: Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 00309 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|--|---|-----------------------|
| 466-560 | diastolic blood pressure (value) | according to 2.4 of R 16-2:2002, 2.4 | minimum value of the arterial blood pressure as a result of relaxation of the systemic ventricle | <i>Note:</i> Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 00324 |
| 561. | diastolic blood pressure (value) | according to 2.5 of R 148-1:2020, | minimum value of the arterial blood pressure as a result of relaxation of the systemic ventricle | Note: Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 02984 |
| 562. | diastolic blood pressure (value) | according to 2.5 of R 149-1:2020, | minimum value of the arterial blood pressure as a result of relaxation of the systemic ventricle | Note: Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 02985 |
| 467-563 | digital data processing device | according to T.2.2.4 of R 76-1:2006, T.2.2.4 | electronic device of an instrument that further processes the data, and supplies the weighing result in a digital format via a digital interface without displaying it. It may optionally have one or more keys (or mouse, touch-screen, etc.) to operate the instrument | | 00900 |
| 468-564 | digital data processing device | according to T.2.7.4 of R 51-1:2006, T.2.7.4 | electronic device of an instrument that further processes the data, and supplies the weighing result in a digital format via a digital interface without displaying it. It may optionally have one or more keys (or mouse, touch-screen, etc.) to operate the instrument | | 00588 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|---|--|--|-----------------------|
| 469.565 | digital data processing device | according to T.2.7.4 of R_107-1:2007, T.2.7.4 | electronic device of an instrument that further processes the data, and supplies the weighing result in a digital format via a digital interface without displaying it. It may optionally have one or more keys (or mouse, touch-screen, etc.) to operate the instrument | | 01345 |
| 566. | digital data processing device | according to 3.3.11.4 of R 61-1:2017, | electronic device that processes digital data | | 03660 |
| 567. | digital data processing device | according to 2.2.8.4 of R 150-1:2020, | electronic device that processes digital data | | 02986 |
| 470.568 | digital data processing module | according to 0.2.6.3 of R_106-1:2011, 0.2.6.3 | module that further processes the data, and supplies the weighing result in a digital format via a digital interface without displaying it | | 02547 |
| 569. | digital data processing unit | according to 3.2.13 of D 31:2023 | part of measuring instrument which only receives digital input data and generates digital output data | | 03690 |
| 471.570 | digital device | according to T.2.2.4 of R_107-1:2007, T.2.2.4 | electronic device that only performs digital functions and that provides a digitized output or display. Examples: Printer, remote display, terminal, data storage device, personal computer | Examples: — Printer, — remote display, — terminal, — data storage device, — personal computer | 01331 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--------------------------------|---|--|--|-----------------------|
| 472.572 | digital device | according to T.2.3.4 of R0_76-1:2006, T.2.3.4 | electronic device that only performs digital functions and provides a digitized output or display <i>Examples:</i> Printer, primary or secondary display, keyboard, terminal, data storage device, personal computer. | <i>Examples:</i> Printer, primary or secondary display, keyboard, terminal, data storage device, personal computer. | 00907 |
| 572. | digital device | according to 2.2.4 of R 150-1:2020, | device that provides a digitised output or display <i>Examples:</i> Printer, remote display, terminal, data storage device, personal computer | | 02987 |
| 473.573 | digital display | according to T.2.2.6 of R0_76-1:2006, T.2.2.6 | a digital display can be realized as a primary display or as a secondary display: a) primary display: Either incorporated in the indicator housing or in the terminal housing or realized as a display in a separate housing (i.e. terminal without keys), e.g. for use in combination with a weighing module. b) secondary display: Additional peripheral device (optional) which repeats the weighing result and any other primary indication, or provides further, non-metrological information | <i>Note:</i> The terms “primary display” and “secondary display” should not be confused with the terms “primary indication” and “secondary indication” (T.1.3.1 and T.1.3.2) | 00902 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|--|---|--|---|-----------------------|
| 474. 574 | digital display | according to T.2.7.7 of R_051-1:2006, T.2.7.7 | either incorporated in the indicator housing or in the computer terminal housing or realized as a display in a separate housing (i.e. terminal without keys), e.g. for use in combination with a weighing module | | 00591 |
| 575. | digital display (device) | according to 3.5.1.5 of R 61-1:2017, | output device that allows actual information to be visualized in volatile digital format | <p><i>Note 1:</i> A digital display may concern a primary display or a secondary display.</p> <p><i>Note 2:</i> The terms “primary display” and “secondary display” should not be confused with the terms “primary indication” and “secondary indication” (3.5.1.1. and 3.5.1.2).</p> | 03661 |
| 576. | digital display | according to 2.2.8.7 of R 150-1:2020, | output device visualizing actual information in volatile digital format | <p><i>Note 1:</i> A digital display may be a primary display or secondary display.</p> <p><i>Note 2:</i> The terms “primary display” and “secondary display” should not be confused with the terms “primary indication” and “secondary indication” (see 2.4.1.1. and 2.4.1.2).</p> | 02988 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|---|---|-------|----------------------------|
| 475.577 | digital focimeter | according to 3.3 of R_93:1999, 3.3 | focimeter which displays measured values rounded to the nearest incremental value | | 01126 |
| 476.578 | digital indication | according to 0.4.2.1 of R_106-1:2011, 0.4.2.1 | measurement results are displayed by a digital measuring instrument in a digitized form [VIM 4.11] | | 02603 |
| 477.579 | digital indication | according to 3.5.1.4. of R_61-1:2017, 3.5.1.4 | indication in which the scale marks comprise a sequence of aligned figures that do not permit interpolation to fractions of a scale interval | | 0298900797 |
| 478.580 | digital indication | according to T.4.2.2 of R_107-1:2007, T.4.2.2 | indication providing the weighing results in a digitized form | | 01378 |
| 479.581 | digital indication | according to T.2.4.2 of R_136-1:2004, T.2.4.2 | the output or display is indicated by a sequence of aligned digits that do not permit interpolation to a fraction of the scale interval | | 01894 |
| 480.582 | digital indication | according to T.4.4.2 of R_51-1:2006, T.4.4.2 | indication in which the scale marks are composed of a sequence of aligned figures that do not permit interpolation to fractions of the scale interval | | 00651 |
| 481.583 | digital indication | according to T.5.1.3 of R_76-1:2006, T.5.1.3 | indication in which the scale marks are composed of a sequence of aligned figures that do not permit interpolation to fractions of the scale interval | | 00965 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|-----------------------|
| 482.584 | digital indication | according to T.4.1 of R_134:2003, T.4.1 | indication in which the scale marks are a sequence of aligned figures that do not permit interpolation to a fraction of the scale interval | | 01820 |
| 585. | digital load cell | according to 3.1.3.3 of R 60-1:2021, | analogue-active load cell which includes an analogue to digital conversion device providing a representation of the measurand value in some digital format | | 02990 |
| 586. | digital load cell equipped with further data processing | according to 3.1.3.4 of R 60-1:2021, | analogue-active load cell which includes an analogue to digital conversion device providing a representation of the measurand value in some digital format and includes further digital processing (e.g.scaling) (Figure 2, A-F) | | 02991 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|-----------------------------------|---|--|---|----------------------------|
| 587. | digital signature | according to 3.2.14 of D 31:2023 | software means which is added to software or data with the purpose to verify the origin of software or data, i.e., to prove their authenticity, or to check that the software or data are unchanged, i.e., to prove their integrity | <p>Note 1: For digital signing, a public key system is used in general, i.e., a part of keys where only one needs to be kept private/secret; the other may be public.</p> <p>Note 2: The private key is used when software or data are secured. The public key is used when software or data are verified before use.</p> <p>Note 3: The verifying instance may require a cryptographic certificate of the securing instance (see 3.2.9) to be sure of the authenticity of the public key.</p> <p>Note 4: A digital signature provides nonrepudiation: the signee cannot deny signing the software or data.</p> | 03691 |
| 483-588 | dimensional weight (Dim Wt or DW) | according to 2.2.7 of R 129-1:202000, 2.17 | a -calculated value deemed to be a weight value obtained by applying a conversion factor to the object's dimensional volume (see 2.2.413) or measured dimensions (see 2.2.312) | | 0299201716 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|---|---|--|-----------------------|
| 589. | dimensional volume (Dim Vol or DV) | according to 2.2.4 of R 129-1:2020, | volume of smallest rectangular box which fully encloses the object, and is the product of the indicated values of length (L), width (W) and height (H) ($DV = L \times W \times H$) | | 02993 |
| 484.590 | dip | according to 3.19 of R 85-1:2008, 3.14 | vertical distance between the dipping datum point and the liquid level | <i>Note:</i> The term “innage” is synonymous. | 02317 |
| 485.591 | dip plate | according to 3.14 of R 85-1:2008, 3.14 | horizontal plate located along the vertical axis descending from the upper reference point, providing a fixed contact surface from which manual liquid depth measurements are made | <i>Note:</i> The term “datum plate” is synonymous. | 02312 |
| 486.592 | dipping datum plate | according to 3.5 of R 71:2008, 3.5 | horizontal plate located along the vertical axis descending from the upper reference point, providing a fixed contact surface from which manual liquid depth measurements are made | <i>Note:</i> The term “datum plate” is synonymous. | 02229 |
| 487.593 | dipping datum point | according to T.5 of R 95:1990, T.5 | the intersection of the vertical measurement axis with the upper surface of the dip plate, or with the bottom surface of the tank if a dip plate is not provided. It constitutes the origin for the measurement of liquid levels (zero reference for innage height) | | 01141 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------|---|--|---|---------|
| 488.594 | dipping datum point | according to 3.16 of R0_85-1:2008, 3.16 | intersection of the vertical measurement axis with the upper surface of the dip plate, or with the bottom surface of the tank if a dip plate is not provided. It constitutes the origin for the measurement of liquid levels (zero reference or dipping reference point) | | 02314 |
| 489.595 | dipping datum point | according to 3.6 of R0_71:2008, 3.6 | intersection of the vertical measurement axis with the upper surface of the dipping datum plate, or with the bottom surface of the tank if a dipping datum plate is not provided. It constitutes the origin for the measurement of liquid levels (zero reference or dipping reference point) | | 02230 |
| 490.596 | dipping tape | according to 3.15 of R0_71:2008, 3.15 | material measure of length for measuring the liquid level | <i>Note:</i> See OIML Recommendation R 35-1 for general requirements. | 02239 |
| 491.597 | direct connected meter | according to 2.1.5 of R0_46-1:2012, 2.1.5 | meter intended for use by direct connection to the circuit(s) being measured, without the use of external device(s) such as instrument transformer(s) | | 02284-- |
| 492.598 | direct discharger | according to 2.35 of R0_80-1:2009, 2.35 | tanker discharged by gravity, each individual measuring compartment having its own outlet. Frequently, the loading adapter is used as the outlet | | 02274 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|---|-------|------------------|
| 599. | <u>direct discharger</u> | <u>according to 2 of R 80-2:2017,</u> | <u>tanker discharged by gravity, each individual measuring compartment having its own outlet. Frequently, the loading adapter is used as the outlet</u> | | <u>02994</u> |
| 493. | direct—mass—flow instrument | R105:1993, T.1 | a measuring instrument that determines the mass of a quantity of flowing liquid without the use of any auxiliary device or data on the physical properties of the liquid | | 01211 |
| 494.600 | direct method (verification) | <u>according to 2.9 of R0_39:2006, 2.9</u> | process for verifying that individual components of the Rockwell hardness machine are operating within maximum permissible errors by directly measuring specified parameters | | 00387 |
| 495. | direct sale | R105:1993, T.5 | a measuring transaction during which both the buyer and the seller (or their agents) are present when the quantity is being determined | | 01215 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|---|----------------------------|
| 496-601 | direct selling to the public | according to T.d.2 of R_117-1:201907, T.d.2 | sales transaction in which: <ul style="list-style-type: none"> the measurement result serves as the basis for the price to pay, and at least one of the parties involved in the transaction related to the measurement is a consumer or any other party requiring a similar level of protection, and all the parties in the transaction accept the measurement result obtained at that time and place | (note in Annex B) | 0299501553 |
| 497-602 | direct selling to the public | according to 3.35 of R_81:1998, 3.35 | a transaction (selling or buying) of quantities of liquids whose settlement is associated with indications provided by a measuring system, any of the parties having access to the place of measurement and one of them being a consumer | | 01044 |
| 498-603 | discontinuous totalizing automatic weighing instrument (totalizing hopper weigher) | according to T.1.4 of R_107-1:2007, T.1.4 | automatic weighing instrument that weighs a bulk product by dividing it into discrete loads, determining the mass of each discrete load in sequence, summing the weighing results and delivering the discrete loads to bulk | <i>Note:</i> In this Recommendation a discontinuous totalizing automatic weighing instrument is called an “instrument”. | 01317 |
| 499-604 | discrimination | according to 3.34 of R_85-1:2008, 3.34 | largest change in a stimulus that produces no detectable change in the response of a measuring instrument, the change in the stimulus taking place slowly and monotonically | | 02332 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|-----------------------|
| 500-605 | discrimination | according to 0.3.10 of R_106-1:2011, 0.3.10 | ability of an instrument to react to small variations of load | | 02598 |
| 501-606 | discrimination | according to T.4.2 of R0_76-1:2006, T.4.2 | ability of an instrument to react to small variations of load. The discrimination threshold, for a given load, is the value of the smallest additional load that, when gently deposited on or removed from the load receptor, causes a perceptible change in the indication | | 00958 |
| 607. | discrimination | according to 2.3.2 of R 150-1:2020 | ability of an instrument to react to small variations of load. | | 02996 |
| 502-608 | discrimination threshold | according to 2.2.1 of R_110:1994, 2.2.1 | the smallest change in the measured pressure that produces a perceptible change in the response of the pressure balance | | 01425 |
| 503. | displacement sensing device | R050-1:1997, T.3.5.1 | the part of the displacement transducer that is in permanent contact with the belt or integral with a non-drive pulley | | 00497 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|---|--|-------|----------------------------|
| 504-609 | displacement simulation device | according to 2.1.11 of R0_50-1:2014 1997 , T.3.8.8 | a device used in simulation tests on continuously totalizing the belt weigher without its conveyor and intended to simulate displacement of the belt by activating the while moving the displacement transducer in a similar manner to how it would operate with the conveyor (e.g. by use of puls generator or motor to simulate rotation of wheel which incorporates the displacement transducer) | | 0299700513 |
| 505-610 | displacement transducer | according to 2.2.10.2 of R0_50-1:2014 1997 , T.3.5 | a device on the conveyor providing information either corresponding to the displacement of a defined length of the belt or proportional to the speed of the belt | | 0299800496 |
| 611. | displacer | according to 3.4 of D 36:2020 | object (usually a sphere or piston) that travels along with the liquid flowing through the prover and that is used to define the calibrated section | | 02999 |
| 506-612 | displaying component | according to T.2.4.1 of R0_76-1:2006 , T.2.4.1 | component that displays the equilibrium and/or the result. On an instrument with one position of equilibrium it displays only the equilibrium. On an instrument with several positions of equilibrium it displays both the equilibrium and the result | | 00911 |
| 507-613 | displaying device (of a weighing instrument) | according to T.2.4 of R0_76-1:2006 , T.2.4 | device providing the weighing result in visual form | | 00910 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|--|----------------------------|
| 508-614 | displaying device (of a weighing instrument) | according to T.2.6 of R0_51-1:2006, T.2.6 | device providing the weighing result in visual form | | 00583 |
| 509-615 | distance measurement transducer | according to 2.2.4 of R0_21:2007, 2.2.4 | device installed in a taxi that converts the distance to be measured into pulses or digital data which are passed to the taximeter | | 00347 |
| 510-616 | distortion factor (d) | according to 2.2.13 of R0_46-1:2012, 2.2.13 | ratio of the r.m.s. value of the harmonic content to the r.m.s. value of the fundamental term | <p><i>Note 1:</i> The harmonic content is obtained e.g. by subtracting from a non-sinusoidal alternating quantity its fundamental term.</p> <p><i>Note 2:</i> The distortion factor is usually expressed as a percentage. It is equivalent to THD, total harmonic distortion.</p> | 02312 |
| 511-617 | disturbance | according to T.d.3 of R_117-1:2007, T.d.3 | influence quantity having a value outside the specified rated operating conditions of the measuring system. (Ffor electronic measuring systems only). If the rated operating conditions are not specified for an influence quantity, it is a disturbance | <p>Note 1: If the rated operating conditions are not specified for an influence quantity, it is a disturbance.</p> <p>Note 2: A systematic influence by design or by installation (e.g. systematic air inlet) cannot be considered as a disturbance.</p> | 0300001554 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|---|---|--|----------------------------|
| 512-618 | disturbance | according to 2.47 of R_80-1:2009, 2.47 | influence quantity whose value lies within the limits defined by the relevant requirements, but outside the established rated operating conditions for the tank | | 02286 |
| 619. | disturbance | according to 2 of R 80-2:2017, | influence quantity whose value lies within the limits defined by the relevant requirements, but outside the established rated operating conditions for the tank | | 03001 |
| 513-620 | disturbance | according to 5 of R_124:1997, 5 | an influence quantity having a value within the limits specified in the appropriate International Recommendation, but outside the specified rated operating conditions of the measuring instrument [D11 clause T.12.2]. | <i>Note:</i> An influence quantity is a disturbance if for that influence quantity the rated operating conditions are not specified. | 01610 |
| 514-621 | disturbance | according to 3.8.1 of R_60-1:2010, 2.5.1.1 | influence quantity having a value within the limits specified in the relevant Recommendation, but outside the specified rated operating conditions of the measuring instrumentload-cell [VIML 5.19] | | 0300200746 |
| 515-622 | disturbance | according to 0.5.1.2 of R_106-1:2011, 0.5.1.2 | influence quantity having a value that falls within the limits specified in this Recommendation but that falls outside the rated operating conditions of the instrument | | 02618 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|---|--|-------|-----------------------|
| 516-623 | disturbance | according to T.5.1.2 of R_134:2003, T.5.1.2 | influence quantity having a value that falls within the limits specified in this Recommendation but that falls outside the rated operating conditions of the instrument | | 01830 |
| 517-624 | disturbance | according to T.5.1.2 of R_51-1:2006, T.5.1.2 | influence quantity having a value within the limits specified in this Recommendation but outside the rated operating conditions of the instrument | | 00666 |
| 518-625 | disturbance | according to T.5.1.2 of R_107-1:2007, T.5.1.2 | influence quantity having a value within the limits specified in this Recommendation but outside the specified rated operating conditions of the instrument [OIML D 11: 2004, 3.13.2] | | 01398 |
| 519-626 | disturbance | according to T.5.1.2 of R_136-1:2004, T.5.1.2 | influence quantity having a value within the limits specified in this Recommendation but outside the rated operating conditions of the instrument | | 01917 |
| 520-627 | disturbance | according to 3.6.1.2 of R_61-1:201704, T.5.1.2 | influence quantity having a value within the limits specified in this Recommendation but outside the rated operating conditions of the filling instrument influence quantity having a value within the limits specified in OIML R 61 but outside the rated operating conditions of the measuring instrument. (VIML, 5.19) | | 0300300811 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|--|--|-------|-----------------------|
| 521.628 | disturbance | according to 2.5.1.12 of R0_50-1:2014 1997, T.6.1.2 | an influence quantity having a value within the limits specified in this Recommendation but outside the rated operating conditions of the belt weigher influence quantity having a value within the limits specified in this Recommendation but outside the rated operating conditions of the measuring instrument [OIML D 11, 3.13.2] | | 0300400532 |
| 522.629 | disturbance | according to T.6.1.2 of R0_76-1:2006, T.6.1.2 | influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of the instrument | | 00988 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|---|--|--|-------|
| 523-630 | disturbance | according to 3.15.2 of D₁₁:2013, 3.15.2 | influence quantity having a value within the limits specified in the applicable Recommendation but outside the specified rated operating conditions of the measuring instrument [VIML 5.19] | <p><i>Note 1:</i> These limits to be specified in the applicable Recommendation shall be based on the probability of occurrence of the disturbing phenomenon within the environment of the measuring instrument.</p> <p><i>Note 2:</i> A disturbance typically is of stochastic nature.</p> <p><i>Note 3:</i> Note 3: – In case the listed rated operating conditions of a measuring instrument do not include a range for the specific influence quantity, the influence quantity is qualified as being a disturbance.</p> | 02231 |
| 524-631 | disturbance | according to 3.4.2 of R₁₃₇:2012, 3.4.2 | influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of the gas meter [OIML D11, 3.13.2] | <i>Note:</i> An influence quantity is a disturbance if for that influence quantity the rated operating conditions are not specified. | 02691 |
| 525-632 | disturbance | according to 2.3.3 of R₀₃₅-1:2007, 2.3.3 | influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of the instrument | | 00376 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|--|---|---|-----------------------|
| 526-633 | disturbance | according to 3.4.3 of R_139-1:2022 14, 3.4.3 | influence quantity having a value ranging within the limits specified in the relevant Recommendation, but outside the specified rated operating conditions of a measuring instrument [OIML V_1:2013, 5.19] | | 0300702748 |
| 527-634 | disturbance | according to 3.4.3 of R_49-1:2024 13, 3.4.3 | <i>influence quantity (3.4.1)</i> having a value within the limits specified in “this part of ISO 4064/OIML R 49 ”, but outside the specified <i>rated operating conditions (3.4.4)</i> of the meter [SOURCE: OIML D 11:2013, 3.15.2, [8] modified — “this part of ISO 4064/OIML R49” replaces “the applicable International Recommendation”; “meter” replaces “measuring instrument”; original notes removed; “Note 1” added] | <i>Note:</i> An influence quantity is a disturbance if the rated operating conditions for that influence quantity are not specified. [Source: OIML D11:2013 [3], 3.15.2, modified — “this part of OIML R49” replaces “the relevant Recommendation”; “meter” replaces “measuring instrument”.] | 02423 |
| 528-635 | disturbance | according to 1.19 of R_144-1:2013, 1.19 | influence quantity having a value within the limits specified in this Recommendation but outside the specified rated operating conditions of a measuring instrument [VIML:2012 (V 1), 5.16] [25] | | 02774 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------|---|---|--|----------------------|
| 529-636 | disturbance | according to 3.1.10 of R_126-1:2021 42, 2.13 | influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of the measuring instrument [OIML V 1, 5.19D11, 3.13.2] Błąd! Nie można odnaleźć źródła odwołania. | <i>Note:</i> An influence quantity is a disturbance if the rated operating conditions for that influence quantity are not specified. | 030050261 |
| 530-637 | disturbance | according to 2.20 of R_143:2009, 2.20 | influence quantity having a value within the limits specified in this Recommendation but outside the specified rated operating conditions of a measuring instrument | (OIML D 11:2004, 13.2) | 02146 |
| 531. | disturbance | R105:1993, T.24.2 | an influence quantity having a value within the limits specified hereafter in this Recommendation, but outside the specified rated operating conditions of the measuring system | An influence quantity is a disturbance if, for that influence quantity, the rated operating conditions are not specified. | 01241 |
| 532-638 | disturbance | according to T.29.2 of R_125:1998, T.29.2 | an influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of the measuring instrument | <i>Note:</i> An influence quantity is a disturbance if for that influence quantity the rated operating conditions are not specified. | 01648 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|---|--|--|-------|
| 533-639 | disturbance | according to T.3.3 of R_140:2007, T.3.3 | influence quantity outside the specified rated operating conditions of the measuring system | <i>Note:</i> An influence quantity is a disturbance if for that influence quantity the rated operating conditions are not specified. | 02094 |
| 534-640 | disturbance | according to 3.25 of R0_85-1:2008, 3.25 | influence quantity having a value within specified limits, but outside the specified rated operating conditions of the ALG | | 02323 |
| 535-641 | disturbance | according to 3.27 of R0_81:1998, 3.27 | an influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of the measuring system. | | 01036 |
| 536-642 | disturbance | according to 3.27 of R0_99-1:2008, 3.27 | influence quantity having a value within the limits specified in this Recommendation but outside the rated operating conditions of the instrument [Adapted from OIML D 11:2004, 3.13.2] | | 02361 |
| 537-643 | disturbance | according to 4.8 of R0_75-1:2002, 4.8 | influence quantity having a value outside the rated operating conditions | | 00858 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|---|--|----------------------------|
| 538-644 | disturbance | according to 2.29.2 of R_129-1:2020 , 2.29.2 | an influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of the measuring instrument | <i>Note:</i> An influence quantity is a disturbance if for that influence quantity the rated operating conditions are not specified. | 0300601730 |
| 539-645 | disturbance | according to 2.2.25 of R_46-1:2012 , 2.2.25 | influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of a measuring instrument [OIML V1:2013, 5.19] | <i>Note:</i> An influence quantity is a disturbance if the rated operating conditions for that influence quantity are not specified. | 02324 |
| 646. | disturbance | according to 2.5.1.2 of R 150-1:2020 , | influence quantity having a value within the limits specified in this Recommendation, but outside the specified rated operating conditions of a measuring instrument [VIML:2013, 5.19] | | 03008 |
| 647. | disturbance (OIML V 1 [1], 5.19) | according to 3.5.9 of R 91-1:2025 , | influence quantity having a value within the limits specified in Part 2 of this Recommendation, but outside the specified rated operating conditions of the measuring instrument | <i>Note:</i> An influence quantity is a disturbance if the rated operating conditions for that influence quantity are not specified. | 03749 |
| 540-648 | documentation for a standard | according to 2.1 of D_008:2004 , 2.1 | set of documents concerning the choice, recognition, use and conservation of a particular standard | | 00221 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|--|-----------------------|
| 541-649 | documented provisions | according to T.1.20 of R_140:2007, T.1.20 | provisions established by the user of a measuring system in order to give confidence to the National Authority that operations are performed according to metrological expectations when they are not performed using associated measuring instruments subject to control and/or secured communications | Documented provisions may be part of a quality assurance system. | 02063 |
| 650. | Doppler-radar based speed meter | according to 3.3.1 of R 91-1:2025, | speed meter emitting microwave radiation and detecting the Doppler shift of the radiation reflected by moving objects | | 03750 |
| 542-651 | dosimeter batch | according to 3.3 of R_131:2001, 3.3 | quantity of dosimeters made from a specific mass of material having a uniform composition, fabricated in a single production run under controlled and consistent conditions, and assigned a unique identification code | | 01741 |
| 543-652 | dosimeter batch | according to 4.3 of R_127:1999, 4.3 | quantity of dosimeters made from a specific mass of material having a uniform composition, fabricated in a single production run under controlled and consistent conditions, and assigned a unique identification code | | 01677 |
| 544-653 | dosimeter batch | according to 3.5 of R_132:2001, 3.5 | quantity of dosimeters made from a specific mass of material having a uniform composition, fabricated in a single production run under controlled and consistent conditions, and assigned a unique identification code | | 01762 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|-------|-----------------------|
| 545-654 | double-blind test object (or double-blind material sample) | according to 1.2.9 of D0_20:1988, 1.2.9 | A blind test object (or material sample) under the additional condition that the personnel of the organization whose capabilities are being assessed are kept unaware that the test object (or material sample) is, in fact, a blind test object (or blind material sample) | | 00143 |
| 546-655 | drift | according to 3.2.13 of R_126-1:2021, 2.15 | change in the instrument indications of the same alcohol concentration which occurs during a stated period of time at a given mass concentration of alcohol in air continuous or incremental change over time in indication, due to changes in metrological properties of a measuring instrument (adapted from OIML V 2-200, 4.21) | | 0300902641 |
| 547-656 | drift | according to T.2.18 of R_140:2007, T.2.18 | slow change in a metrological characteristic of a measuring instrument [VIM:1993, 5.16] | | 02087 |
| 548- | dry hose type | R105:1993, T.8 | a system in which the discharge hose is completely drained following the mechanical operation involved in each delivery | | 01218 |
| 549- | durability | R105:1993, T.28 | the capability of the measuring system to maintain its performance characteristics over a period of use | | 01245 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------|---|--|-------|-----------------------|
| 550.657 | durability | according to 2.32 of R_135:2004, 2.32 | ability of a measuring instrument to maintain its performance characteristics over a stated period of use [OIML D 11, 3.17] | | 01871 |
| 551.658 | durability | according to 2.53 of R_80-1:2009, 2.53 | ability of a measuring instrument to maintain its performance characteristics over a period of use | | 02292 |
| 659. | durability | according to 2 of R 80-2:2017, | ability of a measuring instrument to maintain its performance characteristics over a period of use | | 03011 |
| 552.660 | durability | according to 0.3.6 of R_106-1:2011, 0.3.6 | ability of an instrument to maintain its performance characteristics over a period of use | | 02594 |
| 553.661 | durability | according to 3.2.10 of R_137:2012, 3.2.10 | ability of a measuring instrument to maintain its performance characteristics over a period of use [OIML D11, 3.17] | | 02666 |
| 554.662 | durability | according to 3.2.10 of R_49-1:201324, 3.2.10 | ability of a meter to maintain its performance characteristics over a period of use [SOURCE: OIML D 11:2013- [3] , 3.18, [8] modified — “meter” replaces “measuring instrument”:] | | 02402 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------|---|---|-------|--|
| 555.663 | durability | according to 3.1.13 of R_139-1:2022 14 , 3.1.13 | ability of the measuring instrument to maintain its performance characteristics over a period of use [OIML V1:2013, 5.15] | | 03012027 12 |
| 556.664 | durability | according to 3.2.15 of D_31:2023 08 , 3.1.14 | ability of the measuring instrument to maintain its performance characteristics over a period of use [OIML V 1:2022 , 5.15 -D 11:2004 , 3.17] | | 03010021 81 |
| 557.665 | durability | according to T.2.21 of R_140:2007 , T.2.21 | capability of an electronic part of the measuring system to keep its performance characteristics over a period of use | | 02090 |
| 558.666 | durability | according to 3.18 of D_11:2013 , 3.18 | ability of the measuring instrument to maintain its performance characteristics over a period of use [VIML 5.15] | | 02234 |
| 559.667 | durability | according to 3.27 of R_85-1:2008 , 3.27 | ability of the ALG to maintain its performance characteristics over a period of use | | 02325 |
| 560.668 | durability | according to T.4.4 of R_976-1:2006 , T.4.4 | ability of an instrument to maintain its performance characteristics over a period of use | | 00960 |
| 561.669 | durability | according to T.3.6 of R_134:2006 3 , T.3.6 | ability of an instrument to maintain its performance characteristics over a period of use | | 03013018 19 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|-----------------------|
| 562-670 | durability | according to T.3.7 of R_51-1:2006, T.3.7 | ability of an instrument to maintain its performance characteristics over a period of use | | 00649 |
| 563-671 | durability | according to T.3.10 of R_107-1:2007, T.3.10 | ability of an instrument to maintain its performance characteristics over a period of use [OIML D 11: 2004, 3.17] | | 01372 |
| 564-672 | durability | according to 2.2.29 of R_46-1:2012, 2.2.29 | ability of the measuring instrument to maintain its performance characteristics over a period of use [OIML V1:2013, 5.15] | | 02328 |
| 673. | durability | according to 2.3.7 of R 150-1:2020, | ability of an instrument to maintain its performance characteristics over a period of use [VIML:2013, 5.15] | | 03014 |
| 674. | durability | according to 3.1.1 of R 60-1:2021, | ability of a measuring instrument to maintain its performance characteristics over a period of use [VIML, 5.15] | | 03015 |
| 675. | durability error (OIML V 1 [1], 5.16) | according to 3.5.5 of R 91-1:2025, | difference between the intrinsic error after a period of use and the initial intrinsic error of a measuring instrument | | 03751 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|--|--|-------|-----------------------|
| 565. | durability error | R105:1993, T.21 | the difference between the intrinsic error over a period of use and the initial intrinsic error of a measuring system | | 01236 |
| 566-676 | durability error | according to 2.33 of R_135:2004, 2.33 | difference between the intrinsic error over a period of use and the initial intrinsic error of a measuring instrument [OIML D 11, 3.11] | | 01872 |
| 567-677 | durability error | according to 4.9.4 of R_75-1:2002, 4.9.4 | difference between the intrinsic error after a period of use and the initial intrinsic error | | 00862 |
| 568-678 | durability error | according to T.5.5.7 of R_76-1:2006, T.5.5.7 | difference between the intrinsic error over a period of use and the initial intrinsic error of an instrument | | 00983 |
| 569-679 | durability error | according to 3.1.14 of R_139-1:202214, 3.1.14 | difference between the intrinsic error after a period of use and the <i>initial intrinsic error</i> [OIML V1:2013, 5.11] of a measuring instrument [OIML V1:2013, 5.16] | | 0301602713 |
| 570-680 | durability error | according to 3.13 of D_11:2013, 3.13 | difference between the intrinsic error after a period of use and the initial intrinsic error of a measuring instrument [VIML 5.16] | | 02227 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-----------------------------------|---|---|--|----------------------------|
| 681. | durability error | according to 2.4.5.7 of R 150-1:2020 | difference between the intrinsic error after a period of use and the initial intrinsic error of a measuring instrument [VIML:2013, 5.16] | | 03017 |
| 682. | durability error | according to 3.7.3 of R 60-1:2021 | difference between the intrinsic error after a period of use and the initial intrinsic error of a measuring instrument [VIML 5.16] | | 03018 |
| 571-683 | durability for electronic devices | according to T.d.4 of R 117-1:201907, T.d.4 | capability of the electronic devices of a measuring system to keep their performance characteristics over a period of use | | 0301901555 |
| 572-684 | durability protection facility | according to 2.35 of R 135:2004, 2.35 | facility that is incorporated in a measuring instrument which enables the detection of and action upon significant durability errors | | 01874 |
| 573-685 | durability protection facility | according to 3.20 of D0_11:2013, 3.20 | facility incorporated in a measuring instrument that enables significant durability errors to be detected and acted upon | <i>Note:</i> “Act upon” refers to any adequate response by the measuring instrument (luminous signal, acoustic signal, prevention of the measurement process, etc.). | 02240 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|--|--|---|-------|-------|
| 574. | durability protection feature | R105:1993, T.32 | a feature that is incorporated in a measuring system and that enables the detection of, and acting upon significant durability errors. The same classification for types P, I or N applies to durability protection features. Certain devices may be employed simultaneously, for checking and for durability protection | | 01251 |
| 575. | durability test | R105:1993, T.34 | a test intended to verify whether the EUT is capable of maintaining its performance characteristics over a period of use | | 01253 |
| 576.686 | durability test | <u>according to 3.21.5 of D0_11:2013, 3.21.5</u> | test intended to verify whether the EUT is able to maintain its performance characteristics over a period of use [VIML 5.22] | | 02246 |
| 577.687 | durability test | <u>according to 3.4.7 of R0_49-1:202413, 3.4.7</u> | test intended to verify whether the <i>equipment under test (3.1.17)</i> is able to maintain its performance characteristics over a period of use [SOURCE: OIML D_11:2013- 3 , 3.21.5] [8].] | | 02427 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|---|-----------------------|
| 578-688 | durability test | according to T.7.4 of R 50-1:2014 1997, T.7.4 | a test to verify whether the EUT is capable of maintaining its performance characteristics over a period of use [OIML D 11, 3.19] test intended to verify whether the EUT is able to maintain its performance characteristics over a period of use [OIML D 11, 3.20.4] | | 0302000538 |
| 689. | durability test | according to 2.6.3 of R 150-1:2020 | test intended to verify whether the EUT is able to maintain its performance characteristics over a period of use [VIML:2013, 5.22] | | 03021 |
| 690. | dynamic module of legally relevant software | according to 3.2.16 of D 31:2023 | software module whose functional behaviour depends on predefined device-specific parameters that may change over time during use | <i>Note:</i> Such dynamic modules may incorporate or utilise machine learning or artificial intelligence characteristics and processes. | 03692 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|---|--|-------|-------|
| 579.691 | dynamic range | according to 3.11 of R_113:1994, 3.11 | the range of mass flow rates or concentrations of the sample component of interest over which an incremental change produces a measurable change in the detector output signal. Its upper limit is the highest mass flow rate or concentration at which a further increase in either flow rate or concentration will not give an observable increase in detector output signal. It is expressed as the ratio of its upper limit to the detection limit | | 01498 |
| 580.692 | dynamic range of a detector | according to 3.7 of D_22:1991, 3.7 | the range of concentrations over which a detectable change in output signal is produced by an incremental change in concentration of a substance. The lower limit is given by the detection limit, and the upper limit occurs at the point of detector saturation. The value of the dynamic range is expressed by the ratio of the upper to the lower limit and is larger than or equal to the linear range | | 00152 |
| 581.693 | dynamic range of a detector | according to 2.11 of R_112:1994, 2.11 | the range of concentrations or mass flow rates of a sample component over which a change in sample amount produces a measurable change in the detector signal output. Its value is the ratio of the upper limit of detection to the detection limit | | 01483 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|--|---|-------|-----------------------|
| 582-694 | dynamic setting | according to T.2.11 of R_51-1:2006, T.2.11 | adjustment intended to eliminate the difference between the static load value and the dynamic load value | | 00621 |
| 583-695 | dynamic vehicle tyre force | according to T.3.1.13 of R_134:2006, T.3.1.5 | component of the time-varying force applied perpendicularly to the road surface by the tyre(s) on a wheel of a moving vehicle. In addition to the action of gravity, this force can also include dynamic effects of influences on the moving vehicle | | 0302201808 |
| 584-696 | effective area | according to 2.1.2 of R_110:199, 2.1.2 | the area determined for a given piston-cylinder assembly which is used in the conversion equation for the calculation of the measured pressure | | 01421 |
| 585-697 | effective emissivity | according to 2.2.12 of R_147:2016, 2.2.12 | apparent emissivity of a blackbody cavity or a surface of a flat-plate blackbody radiator. This should take into account the intrinsic emissivity of the surface, the geometrical factor, the temperature distribution, and the ambient thermal radiation | | 02833 |
| 698. | ego speed | according to 3.2.1 of R 91-1:2025, | speed (relative to the road surface) of the speed meter during a measurement | | 03752 |
| 699. | ego speed meter | according to 3.2.2 of R 91-1:2025, | instrument measuring the speed of the vehicle in which the moving speed meter is installed | | 03753 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|---|-------|
| 586.700 | elastic characteristic | according to T.6 of R0_53:1982, T.6 | relation between the displacement of the reference point and pressure | | 00679 |
| 587.701 | electricity meter | according to 2.1.1 of R0_46-1:2012, 2.1.1 | instrument intended to measure electrical energy continuously by integrating power with respect to time and to store the result | <i>Note:</i> It is recognized that “continuously” may also cover meters with a sampling rate sufficiently high to fulfil the requirements of this Recommendation. | 02280 |
| 588.702 | electro-mechanical blood pressure measuring system | according to 2.11 of R0_16-2:2002, 2.11 | component that transforms pressure signals into electrical signals | | 00332 |
| 589.703 | electromechanical meter | according to 2.1.7 of R0_46-1:2012, 2.1.7 | meter in which currents in fixed coils react with the currents induced in the conducting moving element, generally (a) disk(s), which causes their movement proportional to the energy to be measured [IEC 62052-11:2003, 3.1.1] | | 02286 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|-------|-------|
| 590.704 | electro-mechanical pressure transducer | according to 2.12 of R_016-2:2002, 2.12 | <p>system that consists of:</p> <ul style="list-style-type: none"> - <u> </u> at least one cuff, which is connected to the pneumatic system; - <u> </u> at least one electro-mechanical transducer to measure cuff pressure; - <u> </u> at least one measured value display; and <u>if needed,</u> - <u>if needed,</u> signal inputs and outputs | | 00331 |
| 591.705 | electronequilibrium | according to 3.7 of R_131:2001, 3.7 | condition that exists in a material under ionizing irradiation whereby the energies, number, and direction of the secondary electrons induced by the radiation are uniform throughout the volume of interest. Thus, for such a volume, the sum of the energies of the secondary electrons entering is equal to the sum of the energies of the secondary electrons leaving that volume | | 01748 |
| 592.706 | electronequilibrium | according to 3.7 of R_132:2001, 3.7 | condition that exists in a material under ionizing irradiation whereby the energies, number, and direction of the secondary electrons induced by the radiation are uniform throughout the volume of interest. Thus, for such a volume, the sum of the energies of the secondary electrons entering is equal to the sum of the energies of the secondary electrons leaving that volume | | 01764 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------------|---|---|-------|------------------|
| 593.707 | electronequilibrium | according to 4.8 of R_127:1999, 4.8 | condition that exists in material under ionizing irradiation whereby the energies, number, and direction of secondary electrons induced by the radiation are uniform throughout the volume of interest. Thus, for such a volume, the sum of the energies of the secondary electrons entering is equal to the sum of the energies of the secondary electrons leaving that volume | | 01682 |
| 594.708 | electronic automatic level gauge | according to 3.2 of R_85-1:2008, 3.2 | automatic level gauge using electronic means and/or equipped with electronic devices | | 02300 |
| 595.709 | electronic component | according to T.21 of R_125:1998, T.21 | smallest physical entity in an electronic device which uses electron or hole conduction in semi-conductors or electron conduction in gases or in a vacuum | | 01637 |
| 596. | electronic component | R105:1993, T.15 | smallest physical entity that uses electron or hole conduction in semi-conductors, gases or in a vacuum | | 01230 |
| 597. | electronic component | R060:2000, 2.1.3.1 | smallest physical entity which uses electron or hole conduction in semiconductors, gases, or in a vacuum | | 00706 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|---|---|---|-----------------------|
| 598-710 | electronic component | according to T.2.2.2 of R_134:2003, T.2.2.2 | smallest physical entity that uses electron or hole conduction in semi-conductors, gases or in a vacuum | | 01795 |
| 599-711 | electronic component | according to 0.2.5.2 of R_106-1:2011, 0.2.5.2 | smallest physical entity that uses electron or hole conduction in semiconductors, gases, or in a vacuum | | 02543 |
| 600-712 | electronic component | according to T.2.2.3 of R_107-1:2007, T.2.2.3 | smallest physical entity that uses electron or hole conduction in semi-conductors, gases or in a vacuum Examples: Electronic tubes, transistors, integrated circuits. [See 3.4 of OIML D 11] [OIML D 11: 2004, 3.4] | Examples: Electronic tubes, transistors, integrated circuits. [See 3.4 of OIML D 11] | 01330 |
| 601-713 | electronic component | according to T.2.3.3 of R_76-1:2006, T.2.3.3 | the smallest physical entity that uses electron or hole conduction in semiconductors, gases or in a vacuum Examples: Electronic tube, transistor, integrated circuit. [OIML D 11: 2004, 3.4] | Examples: Electronic tube, transistor, integrated circuit. | 00906 |
| 602-714 | electronic component | according to 2.2.3.3 of R_50-1:20141997, T.3.3.3 | smallest physical entity that uses electron or hole conduction in semi-conductors, gases or in a vacuum | | 0302300494 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|--|--|---|------------------|
| 603.715 | electronic component | according to 3.5.3 of R_137:2012, 3.5.3 | smallest physical entity in an electronic device used to affect electrons and/or their associated fields in their movement through a medium or vacuum | | 02699 |
| 604.716 | electronic component | according to 3.5.3 of R_49-1:202413, 3.5.3 | smallest physical entity that uses electron or hole conduction in semi-conductors, gases or in a vacuum [Source: OIML D11:2013 [3], 3.4.] | | 02436 |
| 605.717 | electronic component | according to T.2.8.3 of R_51-1:2006, T.2.8.3 | smallest physical entity, which uses electron or gap conduction in semi-conductors, or conduction by means of electrons or ions in gases or in a vacuum <u>Examples: Electronic tube, transistor, integrated circuit.</u> | Examples: Electronic tube, transistor, integrated circuit. | 00600 |
| 606. | electronic component | R_61-1:2004, T.2.2.4 | smallest physical entity that uses electron or hole conduction in semi-conductors, gases or in a vacuum. | | 00774 |
| 607.718 | electronic component | according to T.2.3 of R_136-1:2004, T.2.3 | the smallest physical entity that uses electron or hole conduction in semiconductors, gases or in a vacuum | | 01891 |
| 608.719 | electronic component | according to 4.15 of R_75-1:2002, 4.15 | smallest physical entity which uses electron or hole conduction in semi-conductors, gases, or in a vacuum | | 00871 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|--|--|--|------------------|
| 609.720 | electronic device | <u>according to T.19 of R_125:1998, T.19</u> | a device employing electronic sub-assemblies and performing a specific function. An electronic device is usually manufactured as a separate unit and is capable of being independently tested | <u>Note:</u> An electronic device, as defined above, may be a complete measuring instrument or part of a measuring instrument. | 01635 |
| 610. | electronic device | R105:1993, T.13 | a device employing electronic subassemblies and performing a specific function. Electronic devices are usually manufactured as a separate unit and are capable of being independently tested | An electronic device, as defined above, may be a complete measuring system or part of measuring system | 01223 |
| 611.721 | electronic device | <u>according to T.2.3.1 of R0_76-1:2006, T.2.3.1</u> | device employing electronic sub-assemblies and performing a specific function. Electronic devices are usually manufactured as separate units and are capable of being tested independently [OIML D 11: 2004, 3.2] | <u>Note:</u> An electronic device, as defined above, may be a complete instrument (e.g. an instrument for direct sales to the public), a module (e.g. indicator, analog data processing device, weighing module) or a peripheral device (e.g. printer, secondary display). | 00904 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|---|---|-----------------------|
| 612.722 | electronic device | according to 2.2.3.1 of R_50-1:2014 1997, T.3.3.1 | a device employing electronic sub-assemblies and performing a specific function. An electronic device is usually manufactured as a separate unit and is capable of being independently tested <u>device employing electronic sub-assemblies and performing a specific function. Electronic devices are usually manufactured as separate units and are capable of being tested independently and the note with</u> | An electronic device, as defined above, may be a complete weighing instrument (for example: counter scale) or part of a weighing instrument (for example: printer, indicator). <u>Note 1: An electronic device may be a complete measuring instrument (for example: counter scale, electricity meter) or a part of a measuring instrument (for example: printer, indicator).</u> <u>Note 2: An electronic device may be a module in the sense that this term is used in OIML B 3 OIML Basic Certificate System for Measuring Instruments</u> | 0302400492 |
| 613.723 | electronic device | according to 0.2.5.1 of R_106-1:2011, 0.2.5.1 | device comprising electronic sub-assemblies and performing one or more specific functions, usually manufactured as a separate unit and capable of being independently tested | | 02542 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|--|--|--|------------------|
| 614.724 | electronic device | according to 3.5.1 of R0_49-1:202413, 3.5.1 | device employing electronic sub-assemblies and performing a specific function, usually manufactured as a separate unit and capable of being tested independently [Source: OIML D11:2013 [3], 3.2, modified — “function, usually manufactured as a separate unit and capable” replaces “function. Electronic devices are usually manufactured as separate units and are capable”.] | <i>Note:</i> An electronic device may be a complete meter or a part of a meter, e.g. as defined in 3.1.1 to 3.1.5 and 3.1.8. | 02434 |
| 615.725 | electronic device | according to T.2.8.1 of R0_51-1:2006, T.2.8.1 | device employing electronic sub-assemblies and performing a specific function. Electronic devices are usually manufactured as separate units and are capable of being tested independently [OIML D 11: 2004, 3.2] | <i>Note:</i> An electronic device, as defined above, may be a complete instrument (e.g. an instrument for direct sales to the public), a module (e.g. indicator, analog data processing device, weighing module) or a peripheral device (e.g. printer, secondary display). | 00598 |
| 616. | electronic device | R061 1:2004, T.2.2.2 | device comprising electronic sub-assemblies and performing a specific function. Electronic devices are usually manufactured as separate units and are capable of being independently tested | | 00772 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|---|--|--|------------------|
| 617.726 | electronic device | according to 3.5.2 of R_137:2012, 3.5.2 | device employing electronic sub-assemblies and performing a specific function. Electronic devices are usually manufactured as separate units and are capable of being tested independently (OIML D 11, 3.2) | | 02698 |
| 618. | electronic device | D031:2008, 3.1.16 | device employing sub-assemblies and performing a specific function. An electronic device is usually manufactured as a separate unit and is capable of being tested independently | <p>1. An electronic device may be a complete measuring instrument (e.g. counter scale, electricity meter) or a part of a measuring instrument (e.g. printer, indicator).</p> <p>2. An electronic device may be a module in the sense this term is used in OIML B 3 OIML Certificate System for Measuring Instruments.</p> <p>3. [OIML D 11:2004, 3.2]</p> | 02183 |
| 619.727 | electronic device | according to T.4.1 of R_140:2007, T.4.1 | device employing electronic sub-assemblies and performing a specific function. Electronic devices are usually manufactured as separate units and are capable of being tested independently | <p><u>Note:</u> The electronic parts of CVDDs are not tested separately.</p> <p>A measuring system including at least one electronic device subject to legal control is called an electronic measuring system.</p> | 02099 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|---|---|---|----------------------------|
| 620.728 | electronic device | according to T.2.4.1 of R_134:2003 6 , T.2.2 | device comprised of electronic sub-assemblies and performing that performs a specific function. An electronic device is usually manufactured as a separate unit and is capable of being independently tested | | 0302501793 |
| 621.729 | electronic device | according to T.2.2 of R_136-1:2004 , T.2.2 | device employing electronic sub-assemblies and performing a specific function. An electronic device is usually manufactured as a separate unit and is capable of being independently tested (e.g. an instrument comprising of photocells for detecting leather or a camera for image scanning and providing area measurement with digital indication) | | 01890 |
| 622. | electronic device | R129:2000, 2.21 | a device employing electronic sub-assemblies and performing a specific function. An electronic device is usually manufactured as a separate unit and is capable of being independently tested | An electronic device as defined above, may be a complete measuring instrument or part of a measuring instrument. | 01720 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|---|--|--|-------|
| 623.730 | electronic device | according to T.2.21 of R_107-1:2007, T.2.21 | device employing electronic sub-assemblies and performing a specific function. Electronic devices are usually manufactured as separate units and are capable of being tested independently [OIML D 11: 2004, 3.2] | <i>Note 1:</i> 1- An electronic device may be a complete measuring instrument (for example: counter scale, electricity meter) or a part of a measuring instrument (for example: printer, indicator). <i>Note 2:</i> 2- An electronic device can be a module in the sense that this term is used in OIML Publication B 3 “OIML Certificate System for Measuring Instruments” | 01328 |
| 624.731 | electronic device | according to 4.14 of R_75-1:2002, 4.14 | device employing electronic components and performing a specific function | | 00870 |
| 625.732 | electronic gas meter | according to 3.5.1 of R_137:2012, 3.5.1 | gas meter equipped with electronic devices | <i>Note:</i> For the purposes of this Recommendation ancillary equipment, as far as it is subject to metrological control, is considered part of the gas meter, unless the ancillary equipment is approved and verified separately. | 02697 |
| 626.733 | electronic instrument | according to 0.2.5 of R_106-1:2011, 0.2.5 | instrument equipped with one or more electronic devices | | 02541 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|----------------------------------|--|--|-------|-------------------|
| 627. | electronic instrument | R061-1:2004, T.2.2.1 | an instrument equipped with electronic devices | | 00771 |
| 628. 734 | electronic instrument | <u>according to T.1.2.6 of R076-1:2006, T.1.2.6</u> | an instrument equipped with electronic devices <u>instrument intended to measure an electrical or non-electrical quantity using electronic means and/or equipped with electronic devices</u> <u>[OIML D 11]</u> | | <u>0302600881</u> |
| 629. 735 | electronic instrument | <u>according to T.2.2 of R107-1:2007, T.2.2</u> | instrument equipped with electronic devices | | 01327 |
| 630. 736 | electronic instrument | <u>according to 2.2.3 of R050-1:20141997, T.1.4</u> | an instrument equipped with electronic devices | | 00482 |
| 631. 737 | electronic instrument | <u>according to T.2.4 of R134:20063, T.1.4</u> | instrument equipped with electronic devices | | <u>0302701787</u> |
| 632. 738 | electronic instrument | <u>according to T.1.4 of R136-1:2004, T.1.4</u> | instrument equipped with electronic devices | | 01883 |
| 633. 739 | electronic instrument | <u>according to T.1.6 of R051-1:2006, T.1.6</u> | an instrument equipped with electronic devices | | 00569 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|---|---|--|-----------------------|
| 634.740 | electronic mass measuring instrument | according to T.18 of R_125:1998, T.18 | a mass measuring instrument equipped with electronic devices | | 01634 |
| 635.741 | electronic measuring instrument | according to 3.2.17 of D_031:202308, 3.1.15 | measuring instrument intended to measure an electrical or non-electrical quantity using electronic means and/or equipped with electronic parts devices | <i>Note:</i> 4. For the purpose of this Document, ancillary auxiliary equipment, as long as provided that it is subject to legal metrological control, is considered to be part of the measuring instrument. 2. [OIML D 11:201304, 3.1] | 0302802182 |
| 636.742 | electronic measuring instrument | according to 3.1 of D_011:2013, 3.1 | instrument intended to measure an electrical or non-electrical quantity using electronic means and/or equipped with electronic devices | <i>Note:</i> For the purpose of this Document, auxiliary equipment, provided that it is subject to metrological control, is considered to be a part of the measuring instrument. | 02215 |
| 743. | electronic measuring instrument | according to 2.2.3 of R 150-1:2020, | instrument intended to measure an electrical or non-electrical quantity using electronic means and/or equipped with electronic devices [OIML D 11:2013, 3.1] | | 03029 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|--|-------|-----------------------|
| 744. | electronic measuring instrument | according to A.1.1 of R 60:2021 - Annexes, | instrument intended to measure an electrical or non-electrical quantity using electronic means and/or equipped with electronic devices | | 03030 |
| 637. | electronic measuring system | R105:1993, T.12 | a measuring system equipped with electronic devices | | 01222 |
| 638. | electronic multi-dimensional measuring instrument | R129:2000, 2.20 | a multi-dimensional measuring instrument equipped with electronic devices | | 01719 |
| 639.745 | electronic part | according to 2.5 of R 80-1:2009, 2.5 | any device, component or measuring element containing electronics | | 02244 |
| 746. | electronic part | according to 2 of R 80-2:2017, | any device, component or measuring element containing electronics | | 03031 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|------------------------|--|--|---|------------|
| 747. | electronic signature | according to 3.1.13 of D 31:2019, | software means which is added to software or data with the purpose to verify the origin of software or data, i.e to prove their authenticity, or to chek that the software or data are unchanged, i.e.to prove their integrity | <p><u>Note 1:</u> For electronic signing, a public key system uded in general, i.e. a pair of keys where only one needs to be kept secret; the other may be public.</p> <p><u>Note 2:</u> The secret key is used when software or data are secured. The public key ise used when software or data are verified before use.</p> <p><u>Note 3:</u> The veryfing instance may require a cryptographic certufucate of the securing instance (see 3.1.7) to be sure of the authenticity of the public key.</p> | 03032 |
| 640. | electronic subassembly | R105:1993, T.14 | a part of an electronic device employing electronic components that has a recognizable function of its own | | 01229 |
| 641-748 | electronic assembly | sub- according to T.20 R_125:1998, T.20 | part of an electronic device employing electronic components and having a recognizable function of its own | | 01636 |
| 642-749 | electronic assembly | sub- according to T.2.4.2 of R_134:20063, T.2.2.1 | part of an electronic device comprized of electronic components and having <u>that has</u> a recognizable function of its own | | 0303301794 |

| | Term | | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|------|---|--|--|-----------------------|
| 643.750 | electronic assembly | sub- | according to T.2.2.2 of R_107-1:2007, T.2.2.2 | part of an electronic device employing electronic components and having a recognizable function of its own <i>Examples: A/D converter, display.</i> [OIML D 11: 2004, 3.3] | Examples: A/D converter, display. | 01329 |
| 644.751 | electronic assembly | sub- | according to T.2.3.2 of R_76-1:2006, T.2.3.2 | part of an electronic device, employing electronic components and having a recognizable function of its own <i>Examples: A/D converter, display</i> [OIML D 11: 2004, 3.3] | Examples: A/D converter, display | 00905 |
| 645.752 | electronic assembly | sub- | according to 2.2.3.2 of R_50-1:20141997, T.3.3.2 | a part of an electronic device, employing electronic components and having a recognizable function of its own | | 0303400493 |
| 646.753 | electronic assembly | sub- | according to 3.5.2 of R_49-1:2013, 3.5.2 | part of an <i>electronic device (3.5.1)</i> , employing <i>electronic component(s) (3.5.3)</i> and having a recognizable function of its own [Source: OIML D11:2013 [3], 3.3.] | | 02435 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|--|---|---|------------------|
| 647.754 | electronic assembly sub- | <u>according to T.2.8.2 of R0_51-1:2006, T.2.8.2</u> | part of an electronic device, employing electronic components and having a recognizable function of its own <u>Examples: A/D converter, display.</u> [OIML D 11: 2004, 3.3] | <u>Examples: A/D converter, display.</u> | 00599 |
| 648. | electronic assembly sub- | R061-1:2004, T.2.2.3 | part of an electronic device, employing electronic components and having a recognizable function of its own | | 00773 |
| 649. | electronic assembly sub- | R129:2000, 2.22 | part of an electronic device employing electronic components and having a recognizable function of its own | | 01721 |
| <u>755.</u> | <u>elevation angle of speed meter</u> | <u>according to 3.4.4 of R 91-1:2025,</u> | <u>vertical angle between the road surface and the centre line of the speed meter (see Figure 2)⁶</u> | <u>Note: In other documents, the elevation angle of speed meter is sometimes called the vertical alignment angle.</u> | <u>03754</u> |
| 650.756 | elution | <u>according to 2.6 of R_112:1994, 2.6</u> | the removal of a sample component from the stationary phase by the mobile phase | | 01478 |

⁶ see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|---|---|-------|-------|
| 651.757 | elution | according to 3.6 of R_83:2006, 3.6 | removal of a sample component from the stationary phase by the mobile phase in the gas chromatographic column | | 01066 |
| 652.758 | elution | according to 3.6 of R_113:1994, 3.6 | the removal of a sample component from the stationary phase by the mobile phase | | 01493 |
| 653.759 | elution | according to 3.7 of R_82:2006, 3.7 | removal of a sample component from the stationary phase by the mobile phase in the gas chromatographic column | | 01051 |
| 654.760 | emissivity | according to 2.2.11 of R_147:2016, 2.2.11 | ratio of the radiance of a substance to the radiance of a blackbody at the same temperature as that of the substance | | 02832 |
| 655.761 | empty hose (dry hose) | according to 2.31 of R_80-1:2009, 2.31 | hose and/or pipework containing liquid products only during a transaction and usually being completely evacuated before the transaction is terminated. It is connected downstream of the transfer point (the transfer point is located upstream of the delivery hose or downstream of the receiving hose) | | 02270 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---------------------------------------|---|---|-------|----------------------------|
| 762. | empty hose (dry hose) | according to 2 of R 80-2:2017 | hose and/or pipework containing liquid products only during a transaction and usually being completely evacuated before the transaction is terminated. It is connected downstream of the transfer point (the transfer point is located upstream of the delivery hose or downstream of the receiving hose) | | 03035 |
| 656.763 | empty hose measuring system | according to T.e.1 of R_117-1:201907, T.e.1 | empty hose systems are measuring systems in which the transfer point is located upstream of the delivery hose in measuring systems designed to deliver product (and downstream of the receiving hose in measuring systems designed to receive product) | | 0303601556 |
| 657.764 | empty-hose type or dry hose | according to 3.12 of R0_81:1998, 3.12 | a type of system in which the discharge hose is drained after each delivery | | 01021 |
| 658.765 | enabling/inhibiting sealable hardware | according to 2.3.7 of R0_59-1:2016, 2.3.7 | physically sealable hardware, such as a two-position switch, located on a remotely configurable device, that enables and inhibits the capability to receive adjustment values or changes to sealable configuration parameters from a remote device | | 02472 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|-------|-----------------------|
| 766. | enabling/inhibiting sealable hardware | according to 3.35 of R 142-1:2025, | physically sealable hardware, such as a two-position switch, located on a remotely configurable device, that enables and inhibits the capability to receive adjustment values or changes to sealable configuration parameters from a remote device | | 03715 |
| 659.767 | end expiratory breath | according to 3.2.6 of R 126-1:2021 , 2.6 | air considered sufficiently representative of alveolar air (as opposed to <u>anatomical</u> dead anatomical volume space) | | 0303702632 |
| 660.768 | end measure | according to 2.2.1 of R 35:2007, 2.2.1 | length measure which has the principal scale marks formed by two end surfaces or edges of the measure | | 00367 |
| 661.769 | end user | according to 2.20 of D 9:2004, 2.20 | business or individual that acquires a measuring instrument with the intention of using it himself or herself and not reselling it | | 00202 |
| 662.770 | end user (of a measuring instrument) | according to 2.19 of D 16:2011, 2.19 | legal person who acquires a measuring instrument with the intention to use it and not to sell it | | 02272-- |
| 663.771 | endurance | according to T.e.2 of R 117-1:2019 , T.e.2 | capability of the measuring system to keep its performance characteristics over a period of use | | 0303801557 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|-----------------------------------|---|--|--|----------------------------|
| 664.772 | endurance test | according to T.e.3 of R_117-1:201907, T.e.3 | test intended to verify whether the meter or the measuring system is able to maintain its performance characteristics over a period of use | | 0303901558 |
| 665.773 | endurance test | according to 3.7 of R_140:2007, 3.7 | test intended to verify whether the metering module is able to maintain its performance characteristics over a period of use | | 02098 |
| 666.774 | energy conversion device | according to T.1.12.2 of R_140:2007, T.1.12.2 | device which automatically multiplies the volume at base conditions or the mass by the representative calorific value of the gas | | 02055 |
| 775. | energy resolution | according to 3.6 of R 123:1997, | A parameter used as a measure of the ability of a detector to distinguish between two adjacent energy peaks arising from elements in a sample. | Note: For this Recommendation, it is expressed as the full width at half maximum height of the manganese K-alpha line (5.9 keV) in units of energy or in percent as related to the energy of the peak. | 03040 |
| 667.776 | enforcement | according to 2.7 of D00_9:2004, 2.7 | function of metrological supervision consisting in taking the appropriate legal actions against offenders for any violation established during the investigation | | 00189 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|---|---|---|------------------|
| 777. | enforcement mode | according to 3.1.4 of R 91-1:2025, | mode of operation in which speed measurements for traffic enforcement cases are carried out | Note: The enforcement mode is the preferred mode for metrological control. | 03755 |
| 668-778 | EPR spectroscopy | according to 3.3 of R_132:2001, 3.3 | measurement of resonant absorption of electromagnetic energy, resulting from the transition of unpaired electrons between different energy levels, upon application of usually microwave frequency energy to a paramagnetic substance in the presence of a magnetic field | | 01760 |
| 669-779 | EPR spectrum | according to 3.4 of R_132:2001, 3.4 | first derivative of the electron paramagnetic absorption spectrum with respect to the magnetic field | | 01761 |
| 670-780 | equipment under test (EUT) | according to 3.1.10 of R_137:2012, 3.1.10 | (part of the) gas meter and/or associated devices which is exposed to one of the tests | | 02655 |
| 671-781 | equipment under test (EUT) | according to 3.5 of R_75-1:2002, 3.5 | a sub-assembly, a combination of subassemblies or a complete meter subject to a test | | 00850 |
| 672-782 | equipment under test EUT | according to 3.1.17 of R_49-1:2013, 3.1.17 | complete meter (3.1.14), sub-assembly or ancillary device (3.1.8) that is subjected to a test | | 02385 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|--|-------|
| 673.783 | ergometers for foot crank work (foot crank ergometers) | according to 3.1 of R_128:2000, 3.1 | foot crank ergometers are devices that are equipped with a pedal arrangement, a braking device and an indicating device. They are used for the defined and reproducible physical stressing of subjects (patients) | | 01692 |
| 674.784 | error | according to 3.2.4 of R_49-1:202413, 3.2.4 | <p>measured quantity value minus a reference quantity value</p> <p>[SOURCE: ISO/IEC Guide 99:2007/OIML V 2-200:2012 (VIM), 2.16 [1], 2.16 modified – ‘error’ replaces ‘measurement error’: original notes removed: “Note 1 added, “Note 2” added.]</p> | <p><i>Note 1:</i> For the application of this part of ISO 4064/OIML R 49, the indicated volume is considered as the measured quantity value and the actual volume as the reference quantity value. The difference between indicated volume and actual volume is referred to as: error (of indication).</p> <p><i>Note 2:</i> In this Recommendation, the error (of indication) is expressed as a percentage of the actual volume, and is equal to:</p> $\frac{(V_i - V_a)}{V_a} \times 100 \%$ | 02396 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|---|--|---|-------|
| 675.785 | error | according to 3.2.4 of R_137:2012, 3.2.4 | measured quantity value minus a reference quantity value (VIM 2.16) | <i>Note:</i> The presented VIM definition of (measurement) error is often interpreted as the definition for an absolute error. However, when expressing a parameter as a percentage or in dB this definition could also be applied to a relative error. Since in all cases in this document the errors are expressed in relative values it was decided that a separate definition for a relative error is not needed. | 02660 |
| 676.786 | error | according to 2.13 of R_144-1:2013, 1.13 | measured quantity value minus a reference quantity value [VIM, 2.16] [1]) | | 02768 |
| 677.787 | error | according to 2.13 of R_143:2009, 2.13 | measured quantity value minus a reference quantity value [VIM:2007, 2.16] | | 02139 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|---|---|--|-----------------------|
| 678-788 | error (of a measuring instrument) | according to 2.27 of R_135:2004, 2.27 | difference between the indication of a measuring instrument (here a spectrophotometer) and a true value of the corresponding input quantity | <u>Note:</u> Since a true value is indeterminable by nature, a conventional true value, i.e. an assigned value or best estimate of the value is used in practice. For a material measure, the indication is the value assigned to it. [Adapted from VIM:1993, 5.20] | 01866 |
| 679. | error (of indication) | R105:1993, T.16 | the indication of a measuring system minus the (conventional) true value of the measure [VIM:1993, 5.24] | | 01231 |
| 680-789 | error (of indication) | according to T.4.2.1 of R_134:20063, T.4.2.1 | indication of an instrument minus the (conventional) true value of the mass [VIM 5.20] | | 0304101821 |
| 681-790 | error (of indication) | according to T.4.3.1 of R_51-1:2006, T.4.3.1 | indication of an instrument minus the (conventional) true value of the mass [VIM:1993, 5.20] | | 00654 |
| 682-791 | error (of indication) | according to 0.4.4.1 of R_106-1:2011, 0.4.4.1 | indication of an instrument minus the (conventional) true value of the corresponding input quantity [VIM 5.20] | | 02607 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------------|---|--|---|-----------------------|
| 683.792 | error (of indication) | according to T.4.5.1 of R_107-1:2007, T.4.5.1 | indication of an instrument minus the (conventional) true value of the mass | | 01387 |
| 684.793 | error (of indication) | according to T.5.5.1 of R_76-1:2006, T.5.5.1 | indication of an instrument minus the (conventional) true value of the corresponding mass [adapted from VIM:1993, 1993, 3.10] | | 00977 |
| 685.794 | error (of indication) | according to 3.2.18 of D_31:202308, 3.1.17 | indication minus a reference quantity value of a measuring instrument minus a true value of the corresponding input quantity [VIM:1993, 5.20; OIML V 1:2022, 0.04 D-11:2004, 3.5] | <i>Note:</i> This reference value is sometimes referred to as a (conventional) true quantity value. See, however also OIML V 2-200:2012, 2.12, Note 1) | 0304202184 |
| 686.795 | error (of indication) | according to T.e.4.1 of R_117-1:201907, T.e.4.1 | indicated quantity value minus the reference (true) quantity value | | 0304301559 |
| 687.796 | error (of indication) | according to T.4.1 of R_136-1:2004, T.4.1 | indication of a measuring instrument minus the (conventional) true value of the area [VIM:1993, 5.20] | | 01904 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------|---|--|---|-----------------------|
| 688.797 | error (of indication) | according to 2.4.5 of R0_50-1:2014 1997, T.5.1 | the value, in units of mass, of the difference between two readings from a totalization indicating device on a belt weigher, minus the (conventional) true value of the mass relating to those readings [adapted from VIM:1993, 5.20] indication minus a reference quantity value | <i>Note:</i> This reference value is sometimes referred to as a (conventional) true quantity value. [VIML, 4.06] | 0304400525 |
| 689.798 | error (of indication) | according to 3.28 of R0_85-1:2008, 3.28 | indication of an ALG minus a true value of the corresponding input quantity | | 02326 |
| 799. | error shift | according to 3.36 of R 142-1:2025, | with reference to a certified measurement standard: difference between the mean error of indication while on or more influence quantities are varied within the rated operating condition and the mean intrinsic error of a measuring instrument | <i>Note:</i> If certified measurement standard is not used, the error shift is the difference between two measured values: the indication under rated operating conditions and the mean indication at reference conditions prior to test. | 02118 |
| 800. | error of indication | according to 3.6 of D 11:2013, | indication minus a reference quantity value [VIML 0.04] | | 02220 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|--|--|-----------------------|
| 801. | error of indication | according to 2.3.1 of R 129-1:2020, | indicated value minus a reference quantity value [VIML, 0.04] | | 03045 |
| 802. | error of indication | according to 2.4.5 of R 150-1:2020, | indication minus a reference quantity value | <i>Note:</i> This reference value is sometimes referred to as a (conventional) true quantity value. [VIML:2013, 0.04] | 03046 |
| 803. | error of indication | according to 3.1.4 of R 139-1:2022, | indication minus a reference quantity value [OIML V 2-200:2012, 4.1] [OIML V 1:2013, 0.04] | | 03047 |
| 804. | error of indication / measurement error (OIML V 1 [1], 0.04) | according to 3.5.1 of R 91-1:2025, | indication minus a reference quantity value | | 03756 |
| 690.805 | error (of indication) of a measuring instrument | according to 4.9.1 of R 75-1:2002, 4.9.1 | indication of the measuring instrument minus the conventional true value of the corresponding input quantity [adapted from VIM:1993, 5.20]. | | 00859 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|--|-------|-----------------------|
| 691.806 | error (of measurement) | according to 3.17 of R0_99-1:2008, 3.17 | measured quantity value minus a reference quantity value [VIM:2007,2.16] | | 02351 |
| 692.807 | error log | according to 3.2.19 of D0_31:2023008, 3.1.18 | continuous data file containing an information record of failures/ faults or significant defects that have an influence on the <u>legally relevant metrological characteristics of the measuring instrument</u> . This especially applies to volatile failures that are not recognizable afterwards when the measurement values are used | | 0304802185 |
| 808. | error log | according to 3.3.4 of R 126-1:2021, | continuous data file containing an information record of failures or significant defects that have an influence on the metrological characteristics of the measuring instrument (OIML D 31, 3.1.15) | | 03049 |
| 693.809 | error of a line measure | according to 2.3 of R0_98:1991, 2.3 | the algebraic difference between the nominal value of the length of the line measure and its conventional true value | | 01153 |
| 694.810 | error of indicated volume | according to 2.11 of R0_80-1:2009, 2.11 | difference between the indicated volume (V_i) of the tank or compartment and the true volume (V_t)- | | 02250 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|--|---|-------|------------------|
| 811. | error of indicated volume | according to 2 of R 80-2:2017, | difference between the indicated volume (V_i) of the tank or compartment and the true volume (V_t) | | 03050 |
| 695. | error of indication | R139-1:2014, 3.1.4 — | indication minus a reference quantity value [OIML V2 200:2012, 4.1] [OIML V1:2013, 0.04] | | 02703 |
| 696. | error of indication | R129:2000, 2.23 | the indication of a measuring instrument minus the true value of the corresponding input quantity [VIM:1993, 5.20] | | 01722 |
| 697. | error of indication | R142:2008, 2.4 (annex 6) | difference of indication of a measuring system and the true value of the measurand | | 02118 |
| 698. | error of indication | D011:2013, 3.6 | indication minus a reference quantity value [VIML 0.04] | | 02220 |
| 699. | error of indication (E) | R061-1:2004, T.4.2.1 | indication of a weighing instrument minus the (conventional) true value of the mass [based on VIM:1993, 5.20] | | 00798 |
| 700.812 | error of the pressure measurement | <u>according to 2.4.4 of R_110:1994, 2.4.4</u> | the result of a pressure measurement minus the (conventional) true value of the measured pressure | | 01432 |

| | Term | Reference <u>to OIML Recommendation (R)</u> <u>or Document (D)</u> | Definition | Notes | ID | | | | | | | | | |
|---|------------------------------------|---|--|---|--------------------------|--|-----|-------------------------|--------------------|----------------|---|------------------------------------|---------------------------|-------|
| 701.813 | error shift | <u>according to 2.2.5 of R_146-1:2016, 2.2.5</u> | difference between the mean error of indication while one or more influence quantities are varied within the rated operating conditions and the mean intrinsic error of a measuring instrument with reference to a certified measurement standard <u>Refer to Table 2 ⁷ for the relevant measured values in the calculation of errors.</u> | Refer to Table 2 for the relevant measured values in the calculation of errors. Note: If a certified measurement standard is not used, the error shift is the difference between two measured values: the indication under rated operating conditions and the mean indication at reference conditions prior to test. Table 2: Measured values for calculating the error shift exhibited by the instrument <table><tr><th colspan="2">Mean error of indication</th><th>Mea</th></tr><tr><th>Measured quantity value</th><th>Reference quantity</th><th>Mea quant valu</th></tr><tr><td>Mean of P_{MB} indications under rated operating conditions</td><td>If CRM is used— P_{MB} of CRM</td><td>Mea indic at r cond prior</td></tr></table> | Mean error of indication | | Mea | Measured quantity value | Reference quantity | Mea quant valu | Mean of P_{MB} indications under rated operating conditions | If CRM is used— P_{MB} of CRM | Mea indic at r cond prior | 02803 |
| Mean error of indication | | Mea | | | | | | | | | | | | |
| Measured quantity value | Reference quantity | Mea quant valu | | | | | | | | | | | | |
| Mean of P_{MB} indications under rated operating conditions | If CRM is used— P_{MB} of CRM | Mea indic at r cond prior | | | | | | | | | | | | |

⁷ see Annex A of OIML G18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|---|---|---|-----------------------|
| 702.814 | error shift | according to 2.3.8 of R0_59-1:2016, 2.3.8 | with reference to a certified measurement standard: difference between the mean error of indication while one or more influence quantities are varied within the rated operating conditions and the mean intrinsic error of a measuring instrument. See 4.4.1 Błąd! Nie można odnaleźć źródła odwołania. for the error shifts associated with grain moisture meter testing | <i>Note:</i> If a certified measurement standard is not used, the error shift is the difference between two measured values: the indication under rated operating conditions and the mean indication at reference conditions prior to test. | 02473 |
| 703. | Evaluation Report | D030:2008, 3-G.3-1 | report, issued by an Issuing Authority, that includes the Partial Test Reports or the Test Report and assesses the conformity of the measuring instrument to the stated requirements | | 02164 |
| 704.815 | evaluator | according to 3-G.3-2 of D0_29:2008, 3-G.3-2 | person on the staff of the certification body who is in charge of the type evaluation of a measuring instrument | | 02156 |
| 705.816 | event | according to 3.2.20 of D0_31:202308, 3.1.20 | action in which a modification of a measuring instrument parameter, adjustment factor or update of software module is made [OIML V 1:2022, 6.06] | <i>Note:</i> For purpose of this Document, events are considered changes in the value of the legally relevant parameters, or a modification or update of legally relevant software, or other activities that are legally relevant and which may influence the metrological data and/or characteristics. | 0305102187 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|-----------------------|
| 706-817 | event counter | according to 3.2.21 of D031:202308, 3.1.21 | non-resettable counter that increments each time an event occurs | | 0305202188 |
| 707-818 | event-counter | according to 2.2.3 of R021:2007, 2.2.3 | non-resettable counter device that increments each time device-specific parameters (2.2.8.3) are changed. The reference number of the counter at the time of initial or subsequent verification is fixed and secured by appropriate hardware or software means | | 00346 |
| 819. | evidence file | according to 3.1.2 of R 91-1:2025, | electronic file containing all relevant data related to a speed measurement | | 03757 |
| 820. | evidential breath alcohol analyser (EBA) | according to 3.2.1 of R 126-1:2021, | instrument the measures and displays the breath alcohol mass concentration of exhaled human breath within specified error limits | | 03053 |
| 708. | examination | D030:2008, 3-G.3-1 | visual inspection of an instrument or device and relevant documentation to ensure that some specified requirements are met [OIML B-3] | | 02160 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|---|---|--|----------------------------|
| 709.821 | examination of a measuring instrument | according to 2.4 of D0_15:1986, 2.4 | All the operations carried out with a view to establishing that the measuring instrument conforms either to the requirements of the regulations for verification or to the recommendations of a standard or to technical specifications [VML 2.3] | | 00261 |
| 710.822 | exchangeable metrological module | according to 3.1.23 of R0_49-1:202413, 3.1.23 | self-contained module comprising a <i>measurement transducer</i> (3.1.2), a <i>calculator</i> (3.1.4) and an <i>indicating device</i> (3.1.5) | | 02391 |
| 711.823 | executable code | according to 3.2.22 of D_031:200823, 3.1.22 | file installed on the computer system of the measuring instrument, electronic device, or sub-assembly (EPROM, hard disk, etc.). This code is interpreted by the microprocessor and transposed into certain logical, arithmetical, decoding, or data transporting operations digital information installed in the measuring instrument or component (EPROM, hard disk, etc.) | Note: This code interpreted by the central processing unit (CPU) of the measuring instrument and converted into certain logical, arithmetical, decoding or data transporting operations. | 0305402189 |
| 712.824 | expanded (measurement) uncertainty | according to 3.22 of R0_99-1:2008, 3.22 | product of a combined standard measurement uncertainty and a factor larger than the number one [VIM:2007, 2.35] | | 02356 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|--|-------------------|
| 825. | <u>expanded measurement uncertainty</u> <u>expanded uncertainty</u> | <u>according to 3.4 of D 5:2022,</u> | <u>product of a combined standard measurement uncertainty and a factor larger than the number one [VIM, 2.35]</u> | <p><u>Note 1: The factor depends upon the type of probability distribution of the output quantity in measurement model and on the selected coverage probability.</u></p> <p><u>Note 2: The term “factor” in this definition refers to a coverage factor.</u></p> <p><u>Note 3: Expanded measurement uncertainty is termed “overall uncertainty” in paragraph 5 of Recommendation INC-1 (1980) (see the GUM) and simply “uncertainty” in IEC documents.</u></p> | <u>03055</u> |
| 713-826 | expanded uncertainty | <u>according to 3.7.4 of R0_60-1:202100, 2.4.3</u> | <p>quantity defining an interval about the result of a measurement that may be expected to encompass a large fraction of the distribution of values that could reasonably be attributed to the measurand.</p> <p><u>{(OIML G 1-100 Guide to the Expression of Uncertainty in Measurement), BIPM, IEC, IFCC, ISO, IUPAC, IUPAP, OIML, 1993}</u></p> | | <u>0305600730</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|-------|-----------------------|
| 714.827 | expansion chamber | according to 3.4 of R_133:2002, 3.4 | enlargement at the upper end of the capillary to provide protection against possible bulb distension or breakage as a result of excessive liquid and gas pressures when a thermometer is exposed to a temperature greater than its working range | | 01777 |
| 715.828 | expansion volume | according to 2.8 of R_80-1:2009, 2.8 | difference between total and nominal capacity | | 02247 |
| 829. | expansion volume | according to 2 of R 80-2:2017, | difference between total and nominal capacity | | 03057 |
| 830. | experimental standard deviation | according to 3.1.17 of R 126-1:2021, | <p>for a series of n measurements of the same measurand, the quantity $s(q_k)$ characterising the dispersion of the results and given by the formula:</p> $s(q_k) = \sqrt{\frac{\sum_{j=1}^n (q_j - \bar{q})^2}{n - 1}}$ <p>with: q_k being the result of the k^{th} measurement and \bar{q} being the arithmetic mean of the n results considered.</p> | | 03058 |
| 716.831 | extended displaying device | according to T.2.9.2 of R_51-1:2006, T.2.9.2 | device temporarily changing the actual scale interval, d , to a value less than the verification scale interval, e , following a manual command | | 00917 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|---|--|--|-------|
| 717-832 | extended displaying device | according to T.2.6 of R_76-1:2006, T.2.6 | device temporarily changing the actual scale interval, d , to a value less than the verification scale interval, e , following a manual command | | 00603 |
| 718-833 | extension interval of self-indication | according to T.3.1 of R_76-1:2006, T.3.1. | value by which it is possible to extend the range of self-indication within the weighing range | | 00944 |
| 719-834 | external floating roof | according to T.11 of R_125:1998, T.11 | a tank roof which forms part of the external surfaces of the tank but which floats freely on the surface of the liquid, except at low levels when the weight of the roof is taken on its supports on the tank bottom | | 01627 |
| 720-835 | false radiation fraction | according to 2.23 of R_135:2004, 2.23 | fraction of the signal recorded by the detector for radiation of all wavelengths outside the 1.01-fold of the one-hundredth value width out of the total signal at a particular wavelength setting | <p><u>Note:</u> The false radiation fraction has the dimension one and is expressed with the derived coherent SI unit one (1). Radiation entering the spectrophotometer from the outside through leaks is not included by this concept.</p> <p>Adapted from [5], clause 5.3.</p> | 01862 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------|---|---|-------|-------|
| 721.836 | family | according to T.3.5 of R0_76-1:2006, T.3.5 | <p>identifiable group of weighing instruments or modules belonging to the same manufactured type that have the same design features and metrological principles for measurement (for example the same type of indicator, the same type of design of load cell and load transmitting device) but which may differ in some metrological and technical performance characteristics (e.g. Max, Min, <i>e</i>, <i>d</i>, accuracy class, etc.). The concept of a “family” primarily aims to reduce the testing required at type examination. It does not preclude the possibility of listing more than one family in one Certificate</p> <p>[adapted from OIML B 3: 2003, 2.3]</p> | | 00956 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|----------------------|--|--|-------|-------|
| 722.837 | family of gas meters | according to 3.1.11 of R_137:2012, 3.1.11 | <p>group of gas meters of different sizes and/or different flow rates, in which all the meters shall have the following characteristics:</p> <ul style="list-style-type: none"> • the same manufacturer, • geometric similarity of the measuring part, • the same metering principle, • roughly the same ratios Q_{\max}/Q_{\min} and Q_{\max}/Q_t, • the same accuracy class, • the same electronic device (see 0) for each meter size and using the same metrological software routines (if applicable) for those components that are critical to the performance of the meter, • a similar standard of design and component assembly, and • —the same materials for those components that are critical to the performance of the meter. | | 02656 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|---|--|------------------|
| 838. | <u>family of measuring instruments</u> | <u>according to 2.3.11 of R 150-1:2020</u> | <u>identifiable group of measuring instruments belonging to the same manufactures type within the same category that have the same design features and metrological principles for measurement (for example the same type of indicator, the same type of design of force receptor and force transmitting device) but which may differ in some metrological and technical performance characteristic (e.g. Max, Min, <i>d</i>, accuracy calss, etc.)</u> <u>[Adapted from VIML:2013, 4.02 – examples added]</u> | <u><i>Note:</i> The concept of family primarily aims to reduce the test effort during type examination. It does not preclude the possibility of listing more than one family in one certificate.</u> | <u>03399</u> |
| 723-839 | fast response meter | <u>according to 4.2 of R 75-1:2002, 4.2</u> | meter suitable for heat-exchange circuits with rapid dynamic variations in the exchanged heat | | 00852 |
| 724-840 | fault | <u>according to T.27 of R 125:1998, T.27</u> | the difference between the error indication and the intrinsic error of a measuring instrument | Principally a fault is the result of an undesired change of data contained in, or flowing through, an electronic measuring instrument. | 01644 |
| 725- | fault | R105:1993, T.19 | the difference between the error of indication and the intrinsic error of a measuring system | | 01234 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|---|--|--|-------|
| 726.841 | fault | according to 2.2.30 of R0_46-1:2012, 2.2.30 | difference between the error of indication and the intrinsic error of a measuring instrument | <p><i>Note 1:</i> Principally, a fault is the result of an undesired change of data contained in or flowing through a measuring instrument.</p> <p><i>Note 2:</i> From the definition it follows that a "fault" is a numerical value which is expressed either in a unit of measurement or as a relative value, for instance as a percentage.</p> <p>[OIML D11:2004, 3.9]</p> <p><i>Note 3:</i> In this Recommendation, the above definition does not apply to the term 'earth fault', in which the word 'fault' has its usual dictionary meaning.</p> | 02329 |
| 727.842 | fault | according to 3.32 of R0_85-1:2008, 3.32 | difference between the error of indication and the intrinsic error of an ALG | principally a fault is the result of an undesired change of data contained in or flowing through an ALG. | 02330 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|-----------------------|---|--|--|-----------------------|
| 728.843 | fault | according to 2.48 of R0_80-1:2009, 2.48 | difference between the error of indication and the intrinsic error of a measuring instrument | <p><i>Note 1:</i> 1: Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic measuring instrument.</p> <p><i>Note 2:</i> 2: From the definition it follows that in this Recommendation, a "fault" is a numerical value which is expressed either in a unit of measurement or as a relative value, for instance in %.</p> | 02287 |
| 844. | fault | according to 2 of R 80-2:2017, | difference between the error of indication and the intrinsic error of a measuring instrument | <p><i>Note 1:</i> Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic measuring instrument.</p> <p><i>Note 2:</i> From the definition it follows that in this Recommendation, a "fault" is a numerical value which is expressed either in a unit of measurement or as a relative value, for instance in %.</p> | 03059 |
| 729.845 | fault | according to 4.10.1 of R0_75-1:2002, 4.10.1 | difference between the error of indication and the intrinsic error of the instrument | | 00864 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|--|--|---|-----------------------|
| 730.846 | fault | according to 2.2.3 of R_59-1:2016, 2.2.3 | [with reference to a certified measurement standard]: difference between the error of indication [during or after exposure to a disturbance] and the mean intrinsic error of a measuring instrument [OIML D 11, 3.10] | | 02460 |
| 731.847 | fault | according to T.4.2.4 of R_134:2003, T.4.2.4 | difference between the error of indication and the intrinsic error of a weighing instrument | Note 1: Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument. Note 2: From the definition it follows that in this Recommendation a “fault” is a numerical value. | 01824 |
| 732.848 | fault | according to 3.7.5 of R_060-1:202100, 2.4.4 | difference between the load-cell error of indication and the load-cell intrinsic error of measuring instrument (see 2.4.8) [VIML 5.12] | (For notes, refer to the VIML) | 0306000731 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|---|--|--|-----------------------|
| 733.849 | fault | <u>according to 3.5.2.5 of R0_61-1:2004</u> 17 , T.4.2.5 | difference between the error of indication and the intrinsic error of a measuring instrument <u>difference between the error of indication and the intrinsic error of a measuring instrument</u> [VIML, 5.12] | Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument. <u>Note 1: Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument.</u> <u>Note 2: From the definition it follows that a “fault” is a numerical value which is expressed either in a unit of measurement or as a relative value, for instance as a percentage.</u> | 0306100805 |
| 734.850 | fault | <u>according to 0.4.4.5 of R_106-1:2011</u> , 0.4.4.5 | difference between the error of indication and the intrinsic error of a weighing instrument | <i>Note:</i> Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument. In this Recommendation, a "fault" is a numerical value. | 02611 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|--|---|---|-------|
| 735-851 | fault | according to T.4.5.5 of R_107-1:2007, T.4.5.5 | difference between the error of indication and the intrinsic error of an instrument [OIML D 11: 2004, 3.9] | <i>Note 1:</i> 1: Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument. <i>Note 2:</i> 2: From the definition it follows that in this Recommendation a “fault” is a numerical value. | 01391 |
| 736-852 | fault | according to T.5.5.5 of R_76-1:2006, T.5.5.5 | difference between the error of indication and the intrinsic error of an instrument | <i>Note:</i> Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument. | 00981 |

| | | | | | | | |
|--|----------------|---|---|---|--|----------------|-------|
| 737.853 | fault | according to 2.2.6 of R_146-1:2016, 2.2.6 | difference between the error of indication (during or after exposure to a disturbance) and the mean intrinsic error of a measuring instrument with reference to a certified measurement standard [OIML D 11:2013, 3.9] | <div>OIML D 11:2013 Notes</div> <div>1 Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic measuring instrument.</div> <div>2 From the definition it follows that a 'fault' is a numerical value which is expressed either in a unit of measurement or as a relative value.</div> <div>Note: — Refer to Table 3⁸ for the relevant measured values in the calculation of errors.</div> <div>Note: If a certified measurement standard is not used, a fault is the difference between a single indication during or after a disturbance and the mean indication at reference conditions prior to test.</div> <div>Table 3: Measured values for calculating the fault exhibited by the instrument during or after a disturbance</div> <table><tr><td>Measurement error (error of indication)</td><td>Mea</td></tr></table> | Measurement error (error of indication) | Mea | 02804 |
| Measurement error (error of indication) | Mea | | | | | | |

⁸[see Annex A of OIML G 18](#)

| | | | | Measured quantity value | Reference quantity | Measured quantity value | Reference quantity | |
|--|--|--|--|--|-------------------------------------|--|-------------------------------------|--|
| | | | | Single P_{MB} indication during or after the disturbance | If CRM is used— P_{MB} —of CRM | Mean—of P_{MB} indications at reference conditions prior to test | If CRM is used— P_{MB} —of CRM | |
| | | | | | | | | |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|--|---|--|-------|
| 738.854 | fault | according to 3.2.7 of R_137:2012, 3.2.7 | difference between the error of indication and the intrinsic error of a measuring instrument [OIML D11, 3.9] | <i>Note 1:</i> In practice this is the difference between the error of the meter observed during or after a test, and the error of the meter prior to this test, performed under reference conditions. <i>Note 2:</i> “measuring instrument” is to be interpreted as a “gas meter” within the scope of this Recommendation. | 02663 |
| 739.855 | fault | according to 3.2.8 of R_49-1:2014243, 3.2.8 | difference between the <i>error</i> (3.2.4) (of indication) and the <i>intrinsic error</i> (3.2.6) of a meter [SOURCE <i>Source:</i> OIML D 11:2013, 3.10 [38], 3.10 , modified — “of indication” placed in parentheses; “meter” replaces “measuring instrument”; original notes removed .] | | 02400 |
| 740.856 | fault | according to T.4.3.8 of R_51-1:2006, T.4.3.8 | difference between the error of indication of an instrument and the intrinsic error | <i>Note:</i> Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument. | 00661 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|---|--|---|----------------------------|
| 741.857 | fault | according to 3.1.10 of R_139-1:2022 14, 3.1.10 | difference between the error of indication and the intrinsic error of a measuring instrument [OIML V1:2013, 5.12] | | 0306702709 |
| 742.858 | fault | according to 2.16 of R_144-1:2013, 1.16 | difference between the error of indication and the intrinsic error of the measuring instrument [VIML-2012 (V 1), 5.11] [25] | <i>Note:</i> Random errors presenting momentary variations in the indication but which cannot be interpreted, recorded or transmitted as measuring results are considered to be insignificant faults. | 02771 |
| 743.859 | fault | according to T.2.16 of R_140:2007, T.2.16 | difference between the error of indication and the intrinsic error of a measuring system or of its constituent elements | | 02082 |
| 744.860 | fault | according to 2.17 of R_143:2009, 2.17 | difference between the error of indication and the intrinsic error of measuring instrument | <i>Note 1:</i> Random errors presenting momentary variations in the indication but which cannot be interpreted, recorded or transmitted as measuring results are considered to be insignificant faults. <i>Note 2:</i> [OIML D 11:2004, 3.9] | 02143 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|---|---|---|-----------------------|
| 745.861 | fault | according to 2.27 of R_129-1:202000, 2.27 | the difference between the error of indication and the intrinsic error of a measuring instrument [VIML 5.12] | Principally a fault is the result of an undesired change of data contained in, or flowing through, an electronic measuring instrument. Note 1: Principally, a fault is the result of an undesired change of data contained in, or flowing through, an electronic measuring instrument. Note 2: From the definition, it folloes that a "fault" is a numerical value which is expressed either in a unit of measurement or as a relative value, for as a percentage. | 0306201726 |
| 746.862 | fault | according to 2.29 of R_135:2004, 2.29 | difference between the error and the intrinsic error of a measuring instrument (here a spectrophotometer) [OIML D 11, 3.9] | | 01868 |
| 747.863 | fault | according to 3.20 of R_99-1:2008, 3.20 | difference between the error of indication and the intrinsic error of the instrument [OIML D 11:2004, 3.9] | | 02354 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|---|--|--|----------------------------|
| 748.864 | fault | according to 3.23 of R0_81:1998, 3.23 | the difference between the error of indication and the intrinsic error of a measuring system | | 01032 |
| 749.865 | fault | according to 2.4.5.3 of R0_50-1:20141997, T.5.4 | the difference between the error of indication and the intrinsic error of a belt weigher difference between the error of indication and the intrinsic error of a measuring instrument [OIML D 11, 3.7] | Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument. | 0306300528 |
| 750.866 | fault | according to T.4.5 of R_136-1:2004, T.4.5 | difference between the error of indication and the intrinsic error of a measuring instrument Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic instrument. In this Recommendation a “fault” is a numerical value. | | 01908 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|---|---|---|----------------------------|
| 751.867 | fault | according to 3.10 of D0_11:2013, 3.10 | difference between the error of indication and the intrinsic error of a measuring instrument [VIML 5.12] | <p><i>Note 1:</i> Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic measuring instrument.</p> <p><i>Note 2:</i> From the definition it follows that in this Document, a “fault” is a numerical value which is expressed either in a unit of measurement or as a relative value, for instance as a percentage.</p> | 02224 |
| 752.868 | fault | according to 3.2.23 of D0_31:202308, 3.1.23 | <p>defect that has an impact on the properties or functions of the measuring instrument or that causes an error of indication greater than the MPE —[adapted from OIML D 11:2004, 3.9] difference between the error of indication and the intrinsic error of a measuring instrument [OIML V 1:202, 5.12]</p> | <p>Note 1: Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic measuring instrument.</p> <p>Note 2: From the definition it follows a “fault” is a numerical value which is expressed either in a unit of measurement or as a relative value, for instance as a percentage.</p> | 0306402190 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|--|---|---|-----------------------|
| 869. | fault | according to 2.4.5.3 of R 150-1:2020 | difference between the error of indication and the intrinsic error of a measuring instrument [VIML:2013, 5.12] | Note 1: Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic measuring instrument. Note 2: From the definition it follows a “fault” is a numerical value which is expressed either in a unit of measurement or as a relative value, for instance as a percentage. | 03065 |
| 870. | fault | according to 3.1.11 of R 126-1:2020 | difference between the error of indication and the intrinsic error of a measuring instrument (OIML V1, 5.12) | | 03066 |
| 871. | fault [OIML D 11, 3.10] | according to 3.25 of R 142-1:2025 | difference between the error of indication and the intrinsic error of a measuring instrument | Note 1: Principally, a fault is the result of an undesired change of data contained in or flowing through an electronic measuring instrument. Note 2: From the definition it follows a “fault” is a numerical value which is expressed either in a unit of measurement or as a relative value, for instance as a percentage. | 03716 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|---|-------|----------------------------|
| 872. | fault (OIML V 1 [1], 5.12) | according to 3.5.6 of R 91-1:2025, | difference between the error of indication and the intrinsic error of a measuring instrument | | 03758 |
| 753-873 | fault detection output | according to 2.4.5 of R 60-1:2021, 2.4.5 | electrical representation issued by the load cell indicating that a fault condition exists | | 0306800732 |
| 754-874 | fault limit | according to 3.1.11 of R 60-1:2021, R 139-1:2014, 3.1.11 | value specified in this Recommendation delimiting non-significant faults [OIML V1:2013, 5.13] | | 0306902710 |
| 755-875 | fault limit | according to 3.11 of D 11:2013, 3.11 | value specified in the applicable Recommendation delimiting non-significant faults [VIML 5.13] | | 02225 |
| 876. | fault limit | according to 3.5.2.6 of R 61-1:2017, | value specified in the applicable Recommendation delimiting non-significant faults (VIML, 5.13) | | 03662 |
| 877. | fault limit | according to 2.3.6 of R 129-1:2020, | value delimiting non-significant faults [VIML 5.13] | | 03070 |
| 878. | fault limit | according to 2.4.5.7 of R 150-1:2020, | value specified (in this Recommendation) delimiting non-significant faults [VIML:2013, 5.13] | | 03071 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------|---|--|-------|-----------------------|
| 879. | fault limit | according to 3.1.12 of R 126-1:2021, | value specified in this Recommendation delimiting non-significant faults [OIML V1, 5.12] | | 03072 |
| 756.880 | feed control device | according to 3.3.1.2 of R 61-1:2017, T.2.1.4.1 | device which regulates the rate of feed of the feeding device | | 0307300767 |
| 757.881 | feeding device | according to 3.3.1.3 of R 61-1:2017 R061-1:2004, T.2.1.3 | device which provides a supply of product from bulk to the weighing unit. It may operate in one or more stages device which provides a supply of product from bulk to the weighing module that may operate in one or more stages | | 0307400764 |
| 758.882 | field of view | according to 2.7 of R 141:2008, 2.7 | solid angle within which the thermogram is formed | | 02111 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|----------------------------|
| 759-883 | field surveillance ("in-service surveillance") | according to 2.27 of D009:2004, 2.27 | form of metrological supervision aimed at establishing that a measuring instrument in use in the field complies with the statutory requirements | Note on the relation between market and field surveillance: Where a conformity assessment of a measuring instrument indicates that the findings can be directly related to the responsibilities of manufacturers or their representatives, the matter should be dealt with by market surveillance. | 00209 |
| 760-884 | fill | according to 3.7.7 of R 61-1:2017, T.1.3 | one load, or more loads combined, that make up the predetermined mass one load, or several loads combined, that make up the predetermined mass | | 0307500752 |
| 761-885 | fill setting device | according to 3.3.1.3.2 of R 61-1:2017 R061-1:2004, T.2.4.1.2 | device which allows the setting of the preset value of the fill | | 0307600768 |
| 762-886 | filling orifice | according to 2.10 R 138:2007, 2.10 | opening in the cask wall defined by its section and the thickness of the cask walls | | 01987 |
| 763-887 | filter | according to T.f.2 of R 117-1:2019, T.f.2 | device suitable for protecting the meter and additional devices from being damaged by foreign particles | | 0307701566 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|--|---|----------------------------|
| 764-888 | filter unit | according to 3.3 of R099-1:2008, 3.3 | device that removes particles from the exhaust gas sample | | 02335 |
| 765-889 | final feed cut-off device | according to 3.3.1.3.3 of R061-1:201704, T.2.1.4.3 | device which controls the cut-off of the final feed so that the average mass of the fills corresponds to the preset value. This device may include an adjustable compensation for the material in flight device which controls the cut-off of the final feed so that the average value of the mass of the fills corresponds to the preset value and may include a correction device for the material feed into the weighing module | | 0307800769 |
| 766-890 | final feed time | according to 3.4.6 of R061-1:201704, T.3.6 | time taken to complete the last stage of delivery of the product to a load receptor | | 0307900788 |
| 767-891 | final position | according to R053:1982, T | position of the reference point at a pressure equal to the nominal pressure | | 00687 |
| 768-892 | final weight value | according to 0.3.8 of R106-1:2011, 0.3.8 | weight value that is achieved when the instrument is completely at rest and balanced, with no environmental influences or disturbances affecting the indication | <i>Note:</i> This definition is only applicable to static weighing and not to weighing-in-motion. | 02596 |
| 769-893 | final weight value | according to T.3.2.4.3 of R051-1:2006, T.3.2.4.3 | weight value that is achieved when the instrument is completely at rest and balanced, with no disturbances affecting the indication | | 00633 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---------------------------------------|--|---|---|----------------------------|
| 770.894 | final weight value | according to T.3.4 of R_107-1:2007, T.3.4 | weight value that is achieved when an automatic operation is ended and the instrument is completely at rest and balanced, with no disturbances affecting the indication | <i>Note:</i> This definition is only applicable to static weighing and not to dynamic weighing. | 01366 |
| 771.895 | final weight value | according to T.4.6 of R_076-1:2006, T.4.6 | weight value that is achieved when the instrument is completely at rest and balanced, with no disturbances affecting the indication | | 00962 |
| 772.896 | first element of an indicating device | according to T.f.3 of R_117-1:201907, T.f.3 | element which, in an indicating device comprising several elements, carries the graduated scale with the smallest scale interval | | 0308001567 |
| 773.897 | first element of an indicating device | according to 3.2.12 of R_049-1:202413, 3.2.12 | element which, in an <i>indicating device</i> (3.1.5) comprising several elements, carries the graduated scale with the verification scale interval | | 02404 |
| 898. | fixed beam | according to 3.3.7 of R 91-1:2025, | radiation beam emitted in a fixed angle from the speed meter | | 03759 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|---|-------------------|
| <u>899.</u> | <u>fixed-distance speed meter</u> | <u>according to 3.3.3 of R 91-1:2025,</u> | <u>speed meter emitting pulsed or modulated radiation and detecting the range (distance) from the radiation reflected by objects</u> | <u>Note: 2D and 3D laser scanners and hand-held LIDAR speed meters are examples belonging to this category. LIDAR (Light Detection and Ranging) is a remote sensing method that determines target range and speed based on the time-of-flight of laser light pulses reflected off a target.</u> | <u>03760</u> |
| <u>900.</u> | <u>fixed speed meter</u> | <u>according to 3.2.8 of R 91-1:2025,</u> | <u>stationary speed meter, permanently installed in a cabinet, on a fixed pole or a similar fixed stand</u> | | <u>03761</u> |
| 774. | fixed ——— legally relevant ——— software part | D031:2008, 3.1.24 | part of the legally relevant software that is and remains identical in the executable code to that of the approved type | This part is responsible for monitoring the software update (loading ——— software, authentication, ——— integrity checking, ——— installation ——— and activation). | 02191 |
| 775-901 | <u>flowrate</u> indicating device | <u>according to 2.4.2.2 of R0_50-1:20141997, T.3.8.4</u> | a device that indicates the instantaneous flowrate either as the mass of the product conveyed in unit time or as a percentage of the maximum flowrate | | <u>0308100509</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------|--|--|--|----------------------------|
| 776.902 | flow measuring device | according to T.1.2 of R_140:2007, T.1.2 | part of the meter that converts the volume or mass flow of the gas to be measured into signals for the calculator. It includes the sensor and the measuring transducer | | 02040 |
| 777.903 | flow rate Q | according to 3.3.1 of R_49-1:202413, 3.3.1 | $Q = -dV/dt$ where V is <i>actual volume</i> (3.2.1) and t is time taken for this volume to pass through the meter | <i>Note:</i> ISO 4006:1991 [34] 4.1.2 prefers the use of the symbol q_V for this quantity, but Q is used in this Recommendation as it is well established in the industry. | 02407 |
| 778.904 | flow rate, Q | according to 3.3.1 of R_137:2012, 3.3.1 | quotient of the actual quantity of gas passing through the gas meter and the time taken for this quantity to pass through the gas meter | | 02679 |
| 779.905 | flow sensor | according to 3.4.1 of R_75-1:2002, 3.4.1 | a sub-assembly through which the heat-conveying liquid flows, at either the flow or return of a heat exchange circuit, and which emits a signal, which is a function of the volume or the mass or the volumetric or mass flow rate | | 00847 |
| 780.906 | flowrate regulating device | according to 2.2.8 of R_50-1:20141997, T.3.8.6 | a device intended to ensure a programmed flowrate | | 0308200511 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|--|-------|-----------------------|
| 781.907 | focimeter | according to 3.1 of R_93:1999, 3.1 | instrument that is used to measure vertex powers and prismatic effects of spectacle and contact lenses, to orientate and mark uncut lenses, and to verify the correct mounting of lenses in spectacle frames | | 01124 |
| 782.908 | foot crank ergometers with controlled braking power | according to 3.2 of R_128:2000, 3.2 | foot crank ergometers with controlled braking power are ergometers whose input power at the crankshaft is independent of the rotational frequency within a specified working range | | 01693 |
| 783.909 | foot crank ergometers with controlled braking torque | according to 3.3 of R_128:2000, 3.3 | foot crank ergometers with controlled braking torque are ergometers whose braking torque is independent of the rotational frequency. Their input power at the crankshaft is proportional to the rotational frequency | | 01694 |
| 784.910 | foot crank length L | according to 3.6 of R_128:2000, 3.6 | the foot crank length L is the length between the center C of the crank bearing and the center of the pedal shaft (see Fig. 1) | | 01697 |
| 785.911 | force measuring instrument | according to 3.3 of R_65:2006, 3.3 | instrument that measures the force applied by the force generating device of a material testing machine | | 00820 |
| 912. | force receptor | according to 2.2.1. of R 150-1:2020 | part of the arched chut weigher intended to sense the force induced by the mass flow | | 03083 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|--|---|--|-----------------------|
| 913. | force simulation platform | according to 2.2.1.2 of R 150-1:2020 | platform designed to be loaded with standard weights for the purpose of simulating a force on the force receptor | | 03084 |
| 914. | force transducer | according to 2.2.8.1 of R 150-1:2020 | part of the force receptor, that converts the measured induced force into a different measurement quantity (output) | | 03085 |
| 786.915 | forward elastic characteristic | according to T of R 53:1982, T | relation between the displacement of the reference point and pressure, when the pressure increases | | 00680 |
| 787.916 | free rotation time of the piston | according to 2.1.5 of R 110:1994, | the time during which the piston rotates freely after spinning to a specified rotation rate, until it stops | | 01424 |
| 788.917 | free trade area | according to 2.14 of D 9:2004, 2.14 | area in which two or more countries have harmonized legislation or established some other legal means, on a national basis, to facilitate free cross-border movement of products and services that are affected by legal metrological control | <i>Note:</i> Such harmonized legislation may rely on conformity assessment procedures where, apart from public authorities, first party bodies (manufacturers) and other private bodies, carry out certain functions as third parties. | 00196 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|---|--|--|----------------------------|
| 789.918 | free trade area | according to 2.14 of D0_16:2011, 2.14 | area where two or more countries have harmonized legislation in place, on a national basis, to facilitate free cross-border movement of products and services that affect legal metrological control | <i>Note:</i> Such harmonized legislation may rely on conformity assessment procedures where, apart from public authorities, first party bodies (manufacturers) and other private bodies as third parties, carry out certain functions. | 02267 |
| 790.919 | frequency (f) | according to 2.2.8 of R0_46-1:2012, 2.2.8 | frequency of the voltage (and current) supplied to the meter | | 02307 |
| 791.920 | front vertex power | according to 3.7.2 of R0_93:1999, 3.7.2 | reciprocal of the paraxial value of the front vertex focal length measured in metres | | 01132 |
| 792.921 | fuel dispenser | according to T.f.4 of R_117-1:201907, T.f.4 | measuring system intended for the refuelling of motor vehicles, small boats and small aircraft | | 0308601568 |
| 793.922 | full draught weighing | according to T.3.1.1 of R_134:2003, T.3.1.1 | determination of the mass of a vehicle that is entirely supported on the load receptor(s) | | 01804 |
| 794.923 | full hose (wet hose) | according to 2.32 of R0_80-1:2009, 2.32 | hose and/or pipework filled with liquid product prior to and after a transaction. In this case the transfer point is located close to the outlet of the full hose (the transfer point consists of a closing device located in the delivery or receiving line). | | 02271 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--------------------------------------|---|--|-------|----------------------------|
| 924. | full hose (wet hose) | according to 2 of R 80-2:2017. | hose and/or pipework filled with liquid product prior to and after a transaction. In this case the transfer point is located close to the outlet of the full hose (the transfer point consists of a closing device located in the delivery or receiving line). | | 03087 |
| 795-925 | full hose measuring system | according to T.f.5 of R_117-1:201907, T.f.5 | measuring system in which the transfer point consists of a closing device located at or near the end of the delivery hose in measuring systems designed to deliver product (or near the beginning of the receiving hose in a measuring system designed to receive product) | | 0308801569 |
| 796-926 | full-draught weighing | according to 0.3.1.1 of R_106-1:2011, 0.3.1.1 | determining the mass of a wagon that is entirely supported on the load receptor(s) | | 02565 |

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|---------|-----------------------|---------------------------------------|--|---|-------|
| 797-927 | gas analytical system | according to 2.1 of R_144-1:2013, 4.4 | <p>assembly to carry out specified gas analytical measurements</p> <p>[ISO 7504:2001] [16]</p> | <p><i>Note:</i> In this Recommendation, a gas analytical system means a system that continuously measures the volume fraction of CO (carbon monoxide), NO (nitrogen monoxide), NO₂ (nitrogen dioxide), or sum of nitrogen oxides (NO_x), or measures only CO or only NO and NO₂, or NO_x by analyzing the gas samples taken directly from the smokestack or gas pipe in industry. This system includes</p> <ul style="list-style-type: none"> ■ a means for sampling and sample preparation (in the case of extractive sampling), ■ a gas analyzer, ■ a means for adjusting zero (gas analyzer), ■ a means for adjusting the gas analyzer using a calibration gas mixture, ■ a means for the accumulation, processing and storage of measurement results, ■ a means for the control and adjustment of the main components of the system, ■ an interface to connect devices measuring the | 02752 |
|---------|-----------------------|---------------------------------------|--|---|-------|

| | Term | Reference <u>to OIML Recommendation (R)</u> <u>or Document (D)</u> | Definition | Notes | ID |
|--|------|---|------------|---|----|
| | | | | gas flow parameters of exhaust emissions, and ■ gas and electric lines of communication. | |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|--|---|---|-------|
| 798.928 | gas analytical system | according to 2.1 of R_143:2009, 2.1 | assembly to carry out specified gas analytical measurements | <p>Note 1: 1. In this Recommendation a gas analytical system means a system that continuously measures the volume fraction of sulfur dioxide by analyzing the gas samples taken directly from the pipe or gas duct of an industrial enterprise, which includes a means for sampling and sample preparation (in the case of extractive sampling), a gas analyzer, means for accumulation, processing and storage of measurement results, means for control and adjustment of the main components of the system, an interface to connect devices measuring the gas flow parameters of exhaust emissions, and gas and electric lines of communication.</p> <p>Note 2: 2. [ISO 7504:2001]</p> | 02123 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------|---|---|--|-----------------------|
| 799.929 | gas analyzer | according to 2.4 of R_144-1:2013, 1.4 | assembly which enables qualitative and/or quantitative determinations (measurements) of substances content on the basis of their chemical or physical properties [ISO 7504: 2001] [16] | <i>Note:</i> A gas analyzer measures all components covered by this Recommendation (CO, NO, NO ₂ , or NO _x), or measures only CO, or only NO and NO ₂ , or NO _x . | 02755 |
| 800.930 | gas analyzer | according to 2.4 of R_143:2009, 2.4 | assembly which enables qualitative and/or quantitative determinations (measurements) of substances on the basis of their chemical or physical properties [ISO 7504: 2001] | [ISO 7504: 2001] | 02126 |
| 801.931 | gas elimination device | according to T.g.1 of R_117-1:201907, T.g.1 | device used to remove any air, gas, or vapor contained in the liquid. There are several different types of gas elimination devices, including gas separators, gas extractors, and special gas extractors | <i>Note:</i> There are several different types of gas elimination devices, including gas separators, gas extractors, and special gas extractors | 0308901570 |
| 802.932 | gas extractor | according to T.g.1.2 of R_117-1:201907, T.g.1.2 | gas elimination device used to extract air or gases accumulated in the supply line of the meter in the form of pockets that are no more than slightly mixed with the liquid | | 0309001572 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|---|---|-------|-----------------------|
| 803.933 | gas handling system | according to 3.4 of R_99-1:2008, 3.4 | all instrument components, from the sampling probe to the gas sample outlet, through which the exhaust gas sample is conveyed by the pump | | 02336 |
| 804.934 | gas handling system | according to 2.6 of R_144-1:2013, 4.6 | all components of the gas analytical system, from the sampling probe to the tube of the gas sample outlet, through which the gas samples, including the Calibration Gas Mixture (hereafter termed "CGM") and the zero gas, are conveyed by the pump | | 02757 |
| 805.935 | gas handling system | according to 2.6 of R_143:2009, 2.6 | all components of the gas analytical system, from the sampling probe to the tube of the gas sample outlet, through which the gas samples, including the Calibration Gas Mixture (hereafter termed "CGM") and the zero gas, are conveyed by the pump | | 02128 |
| 806.936 | gas indicator | according to T.g.2 of R_117-1:201907, T.g.2 | device that allows easy detection of any air or gas bubbles that may be present in the liquid flow | | 0309101575 |
| 807.937 | gas meter | according to 3.1.1 of R_137:2012, 3.1.1 | instrument intended to measure, memorize and display the quantity of gas passing the flow sensor | | 02646 |
| 808.938 | gas sample | according to 2.22 of R_144-1:2013, 4.22 | gas taken from the pipe or gas duct of the stationary source of emissions, conveyed to the gas analyzer for analysis | | 02777 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|---|---|-------|-----------------------|
| 809.939 | gas sample | according to 2.23 of R_143:2009, 2.23 | gas taken from the pipe or gas duct of the stationary source of emissions, conveyed to the gas analyzer for analysis | | 02149 |
| 810.940 | gas separator | according to T.g.1.1 of R_117-1:201907, T.g.1.1 | gas elimination device used for continuously separating, and removing, any mixed air or gases contained in the liquid | | 0309201574 |
| 811.941 | gauge hatch | according to T.3 of R_95:1990, T.3 | an opening in the upper part of the tank to allow the height of the liquid level in the tank to be measured | | 01139 |
| 812.942 | gauge hatch (dip-hatch) | according to 3.3 of R_71:2008, 3.3 | opening in the top of a tank through which dipping and sampling operations are carried out | | 02227 |
| 813.943 | gauge mark | according to 2.9 of R_138:2007, 2.9 | mark, generally a line that indicates the nominal capacity V_n | | 01986 |
| 814.944 | gauge pressure | according to T.1 of R_101:1991, T.1 | a pressure greater than ambient pressure, the latter being considered as the datum point | | 01203 |
| 815.945 | gauge pressure | according to 2.1 of R_109:1993, 2.1 | a pressure greater than ambient pressure | | 01411 |
| 816.946 | gauge reference length | according to 3.18 of R_85-1:2008, 3.18 | distance between the dipping datum point and the zero point of the ALG | | 02316 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|---|-----------------------|
| 817.947 | general totalization indicating device | according to 2.4.2.4 of R0_50-1:2014 1997, T.3.7.1 | a device that indicates the overall total of the mass of all the loads conveyed | | 0309300500 |
| 948. | general totalization indicating device | according to 2.4.2.4 of R 150-1:2020 | device that indicates the overall total of the mass of all the loads conveyed | | 03398 |
| 818.949 | grading instrument | according to T.1.2.13 of R0_76-1:2006, T.1.2.13 | instrument which assigns a weighing result to a predetermined range of mass to determine a tariff or toll | | 00888 |
| 819.950 | grading instrument | according to T.1.5 of R0_51-1:2006, T.1.5 | instrument which assigns a weighing result to a predetermined range of mass to determine a tariff or toll Examples: postal scales, garbage weighers. | Examples: — postal — scales, garbage weighers. | 00568 |
| 820.951 | graduated instrument | according to T.1.2.1 of R0_76-1:2006, T.1.2.1 | instrument allowing the direct reading of the complete or partial weighing result | | 00876 |
| 821.952 | graduated zone | according to T.13 of R0_95:1990, T.13 | the range of volumes between the dead stock and the total capacity | | 01149 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|--|---|-------|-------|
| 822.953 | grain | according to 2.2.7 of R_146-1:2016, 2.2.7 | for the purpose of this Recommendation, the term “grain” is taken to mean those cereal grains and oilseeds listed in column 1 of Table 4 with samples that comply with any limits specified by the national responsible body for the sample temperature (see 4.3) | | 02805 |
| 823.954 | grain | according to 2.3.9 of R_59-1:2016, 2.3.9 | for the purpose of this Recommendation grain means oil seeds, pulses and cereal grains | | 02474 |
| 824.955 | gross mass | according to T.14 of R_125:1998, T.14 | the gross mass is the mass of the liquid determined by the measuring instrument (measured mass) as well as the mass of the liquid below the transducer and includes water and sediment entrained in the liquid. It does not include the mass of vapor above the liquid, the mass of the floating roof (if fitted), nor the mass of the free bottom sediment and water | | 01630 |
| 825.956 | gross value, G or B | according to T.3.2.1 of R_51-1:2006, T.3.2.1 | indication of the weight value of a load on an instrument, with no tare or preset tare device in operation | | 00628 |
| 826.957 | gross value, G or B | according to T.5.2.1 of R_76-1:2006, T.5.2.1 | indication of the weight value of a load on an instrument, with no tare or preset tare device in operation | | 00967 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------|---|---|--|-------|
| 827.958 | gross) calorific value | according to T.1.15 of R_140:2007, T.1.15 | amount of heat which would be released by the complete combustion in air of a specified quantity of gas, in such a way that the pressure at which the reaction takes place remains constant, and all the products of combustion are returned to the same specified temperature as that of the reactants, all of these products being in the gaseous state except for water formed by combustion, which is condensed to the liquid state at this specified temperature | <p>Note 1: 1. In the following parts of this Recommendation, calorific value is used for gross calorific value.</p> <p>Note 2: 2. The condensation enthalpy and combustion enthalpy depend directly upon the temperature and pressure; consequently the energy at base conditions is considered.</p> <p>Note 3: 3. The calorific value should be determined on a mass or volumetric basis.</p> <p>Note 4: 4. (adapted from ISO 6976)</p> | 02058 |
| 828.959 | hand refractometer | according to 2.2 of R_108:1993, 2.2 | hand refractometers and Abbe refractometers are instruments in which the liquid sample is applied manually to the measuring surface, the indication being read from a scale | | 01407 |
| 829.960 | hand-held instrument | according to 3.36 of R_099-1:2008, 3.36 | type of instrument that is designed for hand-held transportation with its standard accessories by one person, and that rests on a suitable surface during use | | 02372 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|--------------------------------|---|--|--|-----------------------|
| 830 .961 | harmonic | according to 2.2.10 of R_046-1:2012, 2.2.10 | part of a signal that has a frequency that is an integer multiple of the fundamental frequency of the signal | <i>Note:</i> The fundamental frequency is generally the nominal frequency (f_{nom}) | 02309 |
| 831 .962 | harmonic number | according to 2.2.12 of R_046-1:2012, 2.2.12 | integer number used to identify a harmonic | <i>Note:</i> The harmonic number is the ratio of the frequency of a harmonic to the fundamental frequency of the signal. | 02311 |
| 963. | hash algorithm | according to 3.3.12 of R 91-1:2025, | function that converts a data string into a numeric string output of fixed length | <p><i>Note 1:</i> Hash algorithms are designed to be collision-resistant, meaning that there is a very low probability that the same string would be created for different data.</p> <p><i>Note 2:</i> Hash algorithms are used for software identification, authentication of measurements, protection of settings etc.</p> <p><i>Note 3:</i> Typical hash algorithms are SHA-2 (256-bit hash) or stronger.</p> | 03762 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|--|---|---|-----------------------|
| 832.964 | hash function | according to 3.2.24 of D0_31:202308, 3.1.25 | (mathematical) function which maps data of arbitrary size into data of fixed size called a digest values from a large (possibly very large) domain into a smaller range. A “good” hash function is such that the results of applying the function to a (large) set of values in the domain will be evenly distributed (and apparently at random) over the range adapted from [ISO/IEC -9594-8:201704] [3] | <i>Note 1:</i> A “good” hash function is such that the results of applying the function to a (large) set of values in the domain will be evenly distributed (and apparently at random) over the range. <i>Note 2:</i> A cryptographic hash function has three additional properties: collision-resistance, preimage resistance, and second preimage resistance, where preimage resistance refers to the inability (computational infeasibility) to reconstruct a preimage or message digest. | 0309402192 |
| 965. | <u>hash function</u> | <u>according to 3.3.5 of R 126-1:2021,</u> | <u>(mathematical) function which maps values from a large (possibly very large) domain into a smaller range</u> <u>(OIMLD 31, 3.1.20)</u> | <i>Note:</i> A “good” hash function is such that the results of applying the function to a (large) set of values in the domain will be evenly distributed (and apparently at random) over the range. | <u>03095</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|--|--|-------|-------|
| 833.966 | hazardous waste site | <u>according to 3.8 of D0_22:1991, 3.8</u> | a location containing hazardous chemical wastes that can affect or have the potential to affect a larger surrounding area. This applies to any site of uncontrolled hazardous waste dumping, a licensed hazardous waste disposal facility, or a location of accidental hazardous or toxic chemical spills or fires | | 00153 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|---|---|--|---|-----------------------|
| 834.96 | hectolitre mass (of a given batch of grain) | according to 1.1 of R0_15:1974, 1.1 | the mass of that amount of grain required to fill a specified receptacle | <p>This property depends not only on the intrinsic quality of the grain in question, but also on its moisture content, the capacity, shape and dimensions of the receptacle used to measure its volume, and the way in which the receptacle is filled.</p> <p>It is therefore determined: from the mass of grain in a specified condition which is required to MI a receptacle of 20 litres and of specified shape and dimensions, the receptacle being filled with the grain under specified conditions.</p> <p>The hectolitre mass is then obtained by dividing the mass of the grain in kilograms by the volume of the receptacle in hectolitres ; it is thus expressed in kilograms per hectolitre.</p> | 00304 |
| 968 | height (H) | according to 2.1.1.3 of R 129-1:2020, | linear measures dimension that is oriented 90 degrees relative to the length and width | | 03096 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---------------------------------------|---|--|---|----------------------------|
| 969. | height of speed meter | according to 3.4.6 of R 91-1:2025, | vertical distance from the reference point of the speed meter to the road surface | <p><i>Note 1:</i> Figure 2⁹ shows an illustration of several alignment parameters of speed meters.</p> <p><i>Note 2:</i> The reference point on the example speed meter is marked as a circle. The centre line does not necessarily start from the reference point.</p> <p><i>Note 3:</i> The position of the reference point is determined by the manufacturer. The reference point of this illustration is an example.</p> | 03763 |
| 970. | hierarchy scheme | according to 3.28 of D 5:2022, | descriptive and graphical specification of metrological traceability chain for a given type of measuring instrument which serves to evidence their metrological traceability | | 03097 |
| 835-971 | humidity symbol | according to 2.2.2 of R 0_60-1:202100, 2.2.2 | symbol assigned to a load cell that indicates the conditions of humidity under which the load cell has been tested | | 0309800709 |

⁹ see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|---|-------|-----------------------|
| 836.972 | hybrid instrument | according to 3.3 of R0_75-1:2002, 3.3 | a heat meter - often called a “compact” instrument - which for the purpose of type approval and verification, can be treated as a combined instrument as defined in 3.2. However, after verification, its subassemblies shall be treated as inseparable | | 00845 |
| 837.973 | hysteresis | according to T of R0_53:1982, T | T difference between the values of displacement of the reference point for a given value of pressure, obtained for decreasing and increasing pressures | | 00683 |
| 838.974 | hysteresis error | according to T.8 of R_101:1991, T.8 | the difference between the indications of the instrument when the same pressure (except pressures at the lower and upper limits of the measuring range) is reached by increasing or decreasing the pressure | | 01210 |
| 839.975 | hysteresis error | according to 3.7.7 of R0_60-1:202100, 2.4.6 | d Difference in between load cell output readings for the same applied force load, one between reading obtained by increasing the load from minimum load, (D_{min}), and the other by decreasing the load from maximum load, (D_{max}) | | 0309900733 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|--|--|--|-----------------------|
| 840.976 | hysteresis error | according to 2.6 of R_109:1993, 2.6 | the difference between the indication of the instrument when the same pressure (except pressures at the lower and upper limits of the measuring range) is reached by increasing or decreasing the pressure | | 01416 |
| 977. | image-based speed meter | according to 3.3.5 of R 91-1:2025, | speed meter incorporating one or more video or photo cameras and determining the speed of the vehicles by image processing | | 03764 |
| 978. | impartiality | according to 3.8 of D 37:2022, | No OIML guidance | | 03172 |
| 979. | impartiality and independence | according to 4.1 of D 37:2022, | No OIML guidance | | 03173 |
| 841.980 | inadequate prepackage | according to 2.1.3 of R_87:2016, 2.1.3 | prepackage containing an actual quantity (see 2.1.1) that is less than the nominal quantity (see 2.1.7) | <i>Note:</i> An inadequate prepackage is sometimes also referred to as a non-conforming prepackage. | 02496 |
| 842.981 | incident flux (Φ_0) | according to 2.2 of R_135:2004, 2.2 | radiant luminous flux of the radiation striking an external surface of the medium | Note 1: 1. ISO 6286, Table 1, No. 1. Note 2: 2. The coherent SI unit is the watt (W). | 01841 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|----------------------------|
| 843.982 | inclination sensor | according to 2.26 of R0_80-1:2009, 2.26 | measuring device for the pitch and roll angles | | 02265 |
| 983. | inclination sensor | according to 2 of R 80-2:2017, | measuring device for the pitch and roll angles | | 03100 |
| 844.984 | inclusive conveyor of | according to 2.2.1.2 of R0_50-1:20141997, 2.2.1.2 | a load receptor that includes an entire conveyor | | 0310100485 |
| 845.985 | indicated quantity | according to T.q.1.2 of R_117-1:201907, T.q.1.2 | total volume or mass indicated by the meter | | 0310201593 |
| 846.986 | indicated value (of a quantity) | according to 3.2.2 of R_137:2012, 3.2.2 | value Y_i of a quantity, as indicated by the meter | | 02658 |
| 847.987 | indicated volume V_i | according to 3.2.2 of R_049-1:202413, 3.2.2 | volume of water indicated by the meter, corresponding to the actual volume | | 02394 |
| 848.988 | indicated volume, V_i | according to 2.10 of R0_80-1:2009, 2.10 | value of volume provided by the volume measuring system | | 02249 |
| 989. | indicated volume, V_i | according to 2 of R 80-2:2017, | value of volume provided by the volume measuring syste | | 03103 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|-------------------|---|--|---|----------------------------|
| 849 .990 | indicating device | according to T.i.1 of R_117-1:201907, T.i.1 | part of the meter that displays the measurement results (see also Annex B) | (see also Annex B) | 0310501576 |
| 850 .991 | indicating device | according to 3.1.5 of R_49-1:202413, 3.1.5 | part of the meter that provides an indication corresponding to the volume of water passing through the meter | <i>Note 1:</i> For the definition of the term “indication”, see ISO/IEC Guide 99:2007/OIML V2-200:2012 (VIM) , 4.1 [1], 4.1. <i>Note 2:</i> In this Recommendation , the volume of water passing through the meter refers to accumulated volume. | 02344 |
| 851 .992 | indicating device | according to 2.2.5 of R_35-1:2007, 2.2.5 | part of the measure which displays the measurement result either continuously or on demand. An electronic indicating device shall comprise of a sensor, transducer, calculator and indicator | | 00371 |
| 852 .993 | indicating device | according to 3.2.5 of R_139-1:202214, 3.2.5 | part of the measuring instrument (meter) which displays the measurement results, either continuously or on demand [OIML V_1:2013, 5.04] | <i>Note:</i> Note: A printing device is not an indicating device, although a printed measurement result is considered to be an indication. | 0310402725 |
| 853 .994 | indicating device | according to T.2.3 of R_134:2003, T.2.3 | part of the instrument that displays the value of a weighing result in units of mass | | 01796 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|--|---|---|------------------|
| 854. | indicating device | R105:1993, T.13.3 | a device that displays the data transmitted from the calculator | | 01226 |
| 855.995 | indicating device | according to T.1.4 of R_140:2007, T.1.4 | part of a measuring instrument that displays the measurement results | | 02044 |
| 856.996 | indicating device | according to T.2.4 of R_136-1:2004, T.2.4 | part of the measuring device that displays the value of a measuring result in units of area | | 01892 |
| 857.997 | indicating device | according to 3.8 of R0_81:1998, 3.8 | a part of the meter that is capable of displaying continuously the measurement results | <i>Note:</i> A printing device that provides an indication at the end of the measurement is not an indicating device. | 01017 |
| 858.998 | indicating device | according to 3.8 of R0_85-1:2008, 3.8 | part of the ALG that displays or prints the measuring result | <i>Note:</i> For the application of this Recommendation the meaning of “indicating device” is broader than the general meaning in other OIML Recommendations (a printing device is considered as such). | 02306 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|-------|-------------------|
| 859.999 | indicating device (of a weighing instrument) | <u>according to 3.3.3 of R061-1:2017</u> 04 , T.2.3 | <p>part of the load measuring device that displays the value of a weighing result in units of mass and which may additionally display: The difference between the mass of a load and a reference value; and/or The value of the fill(s) and/or related quantities or parameters of a number of consecutive weighings</p> <p><u>part of the load measuring device that displays the value of a weighing result in units of mass and may additionally e.g., display the:</u></p> <ul style="list-style-type: none"> <u>• differences between mass of a load and some reference value,</u> <u>• value of the mass of the fill(s) and /or related quantities,</u> <u>• parameters of a number of consecutive weighings</u> | | <u>0310600775</u> |
| 860. | indicating device (of a weighing instrument) | R051-1:2006, T.2.9 | <p>part of the load measuring device that displays the value of a weighing result in units of mass and may additionally display:</p> <ul style="list-style-type: none"> — the difference between the mass of an article and a reference value; — the mean value and/or the standard deviation of a number of consecutive weighings | | 00601 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|--|--------------|
| <u>1000.</u> | <u>indicating measuring instrument</u> | <u>according to 3.13 of D 5-1:2022,</u> | <u>measuring instrument providing an output signal carrying information about the value of the quantity being measured</u> <u>Examples: Voltmeter, micrometer, thermometer, electronic balance.</u> | <u>Note 1: An indicating measuring instrument may provide a record of its indication.</u> <u>Note 2: An output signal may be presented in visual or acoustic form. It may also be transmitted to one or more other devices.</u> | <u>03107</u> |
| 861.100 | indicating device with a differentiated scale division | <u>according to T.2.9.1 of R0_51-1:2006, T.2.9.1</u> | digital indicating device of which the last figure after the decimal sign is clearly differentiated from the other figures | | 00602 |
| 862.100 | indicating device with a differentiated scale division | <u>according to T.2.5.4 of R0_76-1:2006, T.2.5.4</u> | digital indicating device of which the last figure after the decimal sign is clearly differentiated from other figures | | 00916 |
| 863.100 | indicating device, display | <u>according to 2.1.12 of R0_46-1:2012, 2.1.12</u> | part of the meter that displays the measurement results either continuously or on demand | <i>Note:</i> An indicating device may also be used to display other relevant information. | 02291-- |
| 864.100 | indicating or displaying device | <u>according to 3.1.6 of R_137:2012, 3.1.6</u> | part of the gas meter which displays the measurement results, either continuously or on demand | <i>Note:</i> A printing device, which provides an indication at the end of the measurement, is not an indicating device. | 02651 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|---|---|--|-------|
| 865.100 | indicating unit | according to 2.3 of R_115:1995, 2.3 | an indicating unit is the component of a thermometer that processes the output signal of the temperature sensor and displays the measured temperature | | 01511 |
| 866.100 | indicating unit | according to 2.4 of R_114:1995, 2.4 | an indicating unit is the component of a thermometer that processes the output signal of the temperature sensor and displays the measured temperature | | 01508 |
| 867.100 | indication | according to 0.4.1 of R_106-1:2011, 0.4.1 | quantity value provided by a measuring instrument or a measuring system [VIM 4.1] | <p><i>Note 1:</i> An indication may be presented in visual or acoustic form or may be transferred to another device. An indication is often given by the position of a pointer on the display for analog outputs, a displayed or printed number for digital outputs, a code pattern for code outputs, or an assigned quantity value for material measures.</p> <p><i>Note 2:</i> An indication and a corresponding value of the quantity being measured are not necessarily values of quantities of the same kind.</p> | 02600 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|---|-----------------------|
| 868.100 | indication | according to 3.1.1 of R139-1:2014 22 , 3.1.1 | quantity value provided by a measuring instrument or a measuring system [OIML V_2-200:2012, 4.1; OIML V_1:2013, 0.03] | | 0310802700 |
| 869.100 | indication | according to 3.5 of D011:2013 , 3.5 | quantity value provided by a measuring instrument or a measuring system [VIM 4.1][VIML 0.03] | | 02219 |
| 1010. | indication | according to 2.1.11 of R 129-1:2020 , | quantity value provided by a measuring instrument or a measuring system [VIM 4.1] | | 03109 |
| 870.101 | indication (of a measuring instrument) | according to T.4.1 of R_107-1:2007 , T.4.1 | value of a quantity provided by a measuring instrument [VIM: 1993, 3.2] | <i>Note:</i> “Indication”, “indicate” or “indicating” include both displaying, and/or printing. | 01374 |
| 871.101 | indication by adding mass values and calculating pressure | according to 2.3.2 of R_110:1994 , 2.3.2 | the indication obtained by adding the mass values of the loaded weights and making the relevant calculation of the value of the measured pressure | | 01428 |
| 872.101 | indication by adding pressure values | according to 2.3.1 of R_110:1994 , 2.3.1 | the indication obtained by adding the pressure values stated on the loaded weights | | 01427 |
| 873.101 | indication of an instrument | according to T.1.10 of R051-1:2006 , T.1.10 | value of a quantity provided by a measuring instrument | | 00573 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|---|---|-----------------------|
| 874.101 | indications of an instrument | according to T.1.3 of R0_76-1:2006, T.1.3 | value of a quantity provided by a measuring instrument | <i>Note:</i> “Indication”, “indicate” or “indicating” includes both displaying and/or printing. | 00889 |
| 1016. | indication of a measuring instrument | according to 3.5.1 of R 61-1:2017, | quantity value provided by a measuring instrument or measuring system (VIM, 4.1) | <i>Note:</i> “Indication”, “indicate” or “indicating” include both displaying, and/or printing. | 03663 |
| 1017. | indication of a measuring instrument | according to 2.4.1 of R 150-1:2020, | quantity value provided by a measuring instrument or measuring system [VIML:2013, 0.03] | <i>Note:</i> “Indication”, “indicate” or “indicating” include both displaying, and/or printing. | 03112 |
| 875.101 | indicator | according to T.8 of R_125:1998, T.8 | a device which displays the mass calculated by the processor and other quantities. It may or may not be part of the processor | | 01622 |
| 876.101 | indicator | according to T.2.2.2 of R0_76-1:2006, T.2.2.2 | electronic device of an instrument that may perform the analog-to-digital conversion of the output signal of the load cell, and which further processes the data, and displays the weighing result in units of mass | | 00898 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------|---|---|-------|-----------------------|
| 877.102 | indicator | according to T.2.7.2 of R_51-1:2006, T.2.7.2 | electronic device of an instrument that may perform the analog-to-digital conversion of the output signal of the load cell, and which further processes the data, and displays the weighing result in units of mass | | 00586 |
| 878.102 | indicator | according to T.2.7.2 of R_107-1:2007, T.2.7.2 | electronic device of an instrument that may perform the analog-to-digital conversion of the output signal of the load cell, and that further processes the data, and displays the weighing result in units of mass | | 01343 |
| 879.102 | indicator | according to 0.2.6.4 of R_106-1:2011, 0.2.6.4 | electronic device of an instrument that may perform the analogue-to-digital conversion of the output signal of the load cell, further processes the data, and displays the weighing result | | 02548 |
| 1023. | indicator | according to 3.3.11.2 of R 61-1:2017, | electronic device of an instrument that may perform the analogue-to-digital conversion of the output signal of the load cell, further processes the data, and displays the weighing result | | 03664 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--------------------------------|---|---|--|----------------------------|
| 880.102 | indicator | according to 2.1.4 of R_129-1:202000, 2.5 | a device which displays the dimensions measured and the associated quantities calculated by the processor. It may or may not be associated with the processor device that displays the measures dimension and any associated quantities | | 0311001704 |
| 1025. | indicator | according to 2.2.8.5 of R 150-1:2020, | electronic device that may perform the analogue-to-digital conversion of the output signal of the force receptor, and further processes the data, and displays the weighing result in units of mass | | 03111 |
| 881.102 | indirect method (verification) | according to 2.10 of R0_39:2006, 2.10 | process for verifying that the hardness measuring performance of the Rockwell hardness machine is within maximum permissible errors by conducting hardness measurements using reference test blocks | | 00388 |
| 882.102 | individual prepackage error | according to 2.1.2.2 of R0_87:2016, 2.1.2.2 | difference between the actual quantity of product in a prepackage and the nominal quantity of that prepackage | <i>Note:</i> The individual prepackage error for a prepackage “i” is designated by the symbol E_i or e_i and can be calculated by $E_i = Q_i - Q_{nom}$ or by $e_i = q_i - Q_{nom}$ where Q_{nom} is the nominal quantity. | 02493 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|---|--|-------|------------------|
| 1028. | infeed device | according to 2.2.12 of R 150-1:2020, | device which provides a supply of product from bulk to the weighing module that may operate in one or more stages | | 03113 |
| 1029. | infeed mass flowrate | according to 2.3.5.3 of R 150-1:2020, | mass flowrate of product from a preceding feeding device onto force receptor | | 03114 |
| 883.103 | influence factor | according to T.i.3 of R 117-1:201907, T.i.3 | influence quantity having a value within the rated operating conditions of the measuring system, as specified in this Recommendation | | 01578 |
| 884.103 | influence factor | according to 2.52 of R 80-1:2009, 2.52 | influence quantity having a value within the rated operating conditions specified in 5.1.1. | | 02291 |
| 1032. | influence factor | according to 2 of R 80-2:2017, | influence quantity having a value within the rated operating conditions specified in 5.1.1. | | 03116 |
| 885.103 | influence factor | according to 4 of R 124:1997, 4 | an influence quantity having a value within the rated operating conditions of the measuring instrument specified in the appropriate International Recommendation (D 11 clause T.12.1) | | 01609 |
| 886.103 | influence factor | according to T.5.1.1 of R 51-1:2006, T.5.1.1 | influence quantity having a value within the specified rated operating conditions of the instrument | | 00665 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------|--|--|-------|-----------------------|
| 887.103 | influence factor | according to 3.6.1.1 of R_61-1:2017 04 T.5.1.1 | influence quantity having a value within the specified rated operating conditions of the filling instrument influence quantity having a value within the rated operating conditions of a measuring instrument (VIML, 5.18) | | 0311700810 |
| 888.103 | influence factor | according to 0.5.1.1 of R_106-1:2011 , 0.5.1.1 | influence quantity having a value within the specified rated operating conditions of the instrument | | 02617 |
| 889.103 | influence factor | according to T.5.1.1 of R_107-1:2007 , T.5.1.1 | influence quantity having a value within the specified rated operating conditions of the instrument [OIML D 11: 2004, 3.13.1] | | 01397 |
| 890.103 | influence factor | according to T.5.1.1 of R_134:2006 3 , T.5.1.1 | influence quantity having a value within the specified rated operating conditions of the instrument | | 01829 |
| 891.103 | influence factor | according to T.5.1.1 of R_136-1:2004 , T.5.1.1 | influence quantity having a value within the specified rated operating conditions of the instrument | | 01916 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------|--|---|--|-----------------------|
| 892.104 | influence factor | mass flowrate 2.5.1.1 of R0_50-1:2014 1997 , T.6.1.1 | an influence quantity having a value within the specified rated operating conditions of the belt weigher influence quantity having a value within the specified rated operating conditions of the measuring instrument [OIML D 11, 3.13.1] [4] | <i>Note:</i> The variation of an indication as a consequence of an influence factor is considered an error and not a fault. | 0311500531 |
| 893.104 | influence factor | according to T.6.1.1 of R0_76-1:2006 , T.6.1.1 | influence quantity having a value within the specified rated operating conditions of the instrument | | 00987 |
| 894.104 | influence factor | according to 3.15.1 of D0_11:2013 , 3.15.1 | influence quantity having a value which ranges within the rated operating conditions of a measuring instrument [VIML 5.18] | <i>Note 1:</i> The rated operating conditions shall be in conformity with the applicable requirements specified in the applicable Recommendation. <i>Note 2:</i> The variation of an indication as a consequence of an influence factor is considered an error and not a fault. | 02230 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------|--|---|--------------------------------|-----------------------|
| 895.104 | influence factor | according to 3.8.2 of R 60-1:2021 <u>100</u> , 2.5.1.2 | influence quantity having a value within the specified rated operating conditions of the load cell. (For example, a specific temperature or a specific power voltage in which the load cell can be tested). influence quantity having a value which ranges within the rated operating conditions of a measuring instrument [VIML 5.17] | (For notes, refer to the VIML) | 0311800747 |
| 896.104 | influence factor | according to 2.3.2 of R 35-1:2007 , 2.3.2 | influence quantity having a value within the specified rated operating conditions of the instrument | | 00375 |
| 897.104 | influence factor | according to 3.4.2 of R 139-1:2022 <u>14</u> , 3.4.2 | influence quantity having a value which ranges within the rated operating conditions of a measuring instrument [OIML V_1:2013,5.18] | | 0311902747 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|--|--|-------|------------------|
| 898.104 | influence factor | according to 3.4.2 of R_49-1:202413, 3.4.2 | <i>influence quantity (3.4.1) having a value within the rated operating condition(s) (3.4.4) of a meter specified in this part of ISO 4064/OIML R 49</i> [SOURCE: OIML D11:2013- [3] , 3.15.1, [8] modified — “meter” replaces “measuring instrument”; “this part of specified in this part of ISO 4064/OIML R49” — replaces — “the relevant Recommendation” — is added; original notes removed.] | | 02422 |
| 899. | influence factor | R105:1993, T.24.1 | an influence quantity having a value within the rated operating conditions of the measuring system, as specified in this Recommendation | | 01240 |
| 900.104 | influence factor | according to T.29.1 of R_125:1998, T.29.1 | an influence quantity having a value within the rated operating conditions of the measuring instrument specified in this Recommendation | | 01647 |
| 901.104 | influence factor | according to T.3.2 of R_140:2007, T.3.2 | influence quantity having a value within the rated operating conditions of the measuring system as specified in this Recommendation | | 02093 |
| 902.104 | influence factor | according to 3.24 of R_85-1:2008, 3.24 | influence quantity having a value within the specified rated operating conditions of the ALG | | 02322 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|----------------------------------|--|---|---|-----------------------|
| 903.105 | influence factor | according to 3.26 of R0_81:1998, 3.26 | an influence quantity having a value within the rated operating conditions of the measuring system, as specified in this Recommendation | | 01035 |
| 904.105 | influence factor | according to 3.26 of R0_99-1:2008, 3.26 | influence quantity having a value within the rated operating conditions of the instrument [Adapted from OIML D 11:2004, 3.13.1] | | 02360 |
| 905.105 | influence factor | according to 4.7 of R0_75-1:2002, 4.7 | influence quantity having a value within the rated operating conditions | | 00857 |
| 906.105 | influence factor | according to 2.3.9 of R_129-1:202000, 2.29.1 | an influence quantity having a value within the rated operating conditions of the measuring instrument, specified in this Recommendation | | 0312001729 |
| 907.105 | influence factor | according to 2.2.24 of R0_46-1:2012, 2.2.24 | influence quantity having a value which ranges within the rated operating conditions of a measuring instrument [OIML V1:2013, 5.18] | | 02323 |
| 1055. | influence factor | according to 2.5.1.1 of R 150-1:2020, | influence quantity having a value within the rated operating conditions of the measuring instrument | Note: The variation of an indication as a consequence of an influence factor is considered an error and not a fault. [Adapted from VIML:2013, 5.18 – part fo mote omitted] | 03121 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|-------|------------------|
| <u>1056.</u> | <u>influence factor</u> (OIML V 1 [1], 5.18) | <u>according to 3.5.8 of R 91-1:2025,</u> | <u>influence quantity having a value which ranges within the rated operating conditions of a measuring instrument</u> | | <u>03765</u> |
| 908. | influence quantity | R105:1993, T.24 | a quantity that is not the subject of the measurement but which influences the value of the measurand or the indication of the measuring system [VIM:1993,2.10] | | 01239 |
| 909.105 | influence quantity | according to T.29 of R_125:1998, T.29 | a quantity which is not the subject of the measurement but which influences the value of the measurand or the indication of the measuring instrument (VIM:1993,2.7) | | 01646 |
| 910.105 | influence quantity | according to 2.46 of R_80-1:2009, 2.46 | quantity which is not the object of the measurement but which influences the value of the measurand or the indication of the Tank | | 02285 |
| <u>1059.</u> | <u>influence quantity</u> | <u>according to 2 of R 80-2:2017,</u> | <u>quantity which is not the object of the measurement but which influences the value of the measurand or the indication of the Tank</u> | | <u>03122</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|---|---|--|-------|
| 911.106 | influence quantity | according to 3 of R_124:1997, 3 | a quantity which is not the subject of the measurement but which influences the value of the measurand or the indication of the measuring instrument (VIM:1993, clause 2.7 or D 11 clause T.12) | | 01608 |
| 912.106 | influence quantity | according to 0.5.1 of R_106-1:2011, 0.5.1 | quantity that is not the measurand but that affects the result of the measurement | | 02616 |
| 913.106 | influence quantity | according to 2.3.1 of R_35-1:2007, 2.3.1 | quantity that is not the subject of the measurement but which influences the values of the measurand or the indication of the instrument | | 00374 |
| 914.106 | influence quantity | according to 3.4.1 of R_49-1:2013, 3.4.1 | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result [SOURCE: ISO/IEC Guide 99:2007/OIML V2-200:2012 (VIM) 2.52 [1], 2.52] modified – original examples and notes removed; “EXAMPLE” added EXAMPLE: The ambient temperature of the meter is an influence quantity, whereas the temperature of the water passing through the meter affects the measurand. | Example: — The ambient temperature of the meter is an influence quantity, whereas the temperature of the water passing through the meter affects the measurand. | 02421 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|--|--|--|-----------------------|
| 915.106 | influence quantity | according to 3.4.1 of R_137:2012, 3.4.1 | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but that affects the relation between the indication and the measurement result {VIM 2.52} | | 02690 |
| 916.106 | influence quantity | according to 3.4.1 of R_139-1:2022 14, 3.4.1 | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result [OIML V_2-200:2012, 2.52] [OIML V_1:2013, 0.07] | | 0312302746 |
| 917.106 | influence quantity | according to 3.8.3 of R_60-1:2021 00, 2.5.1 | quantity that is not the measurand but that affects the result of the measurement [VIM:1993, 2.7] (For example, temperature or humidity level at the instant the measurements on the load cell are being observed or recorded.) quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result [VIM 2.52] | (For examples and notes, refer to the VIM [2]) | 0312400745 |
| 918.106 | influence quantity | according to T.3.1 of R_140:2007, T.3.1 | quantity that is not the measurand but which affects the result of the measurement [VIM:1993, 2.7] | | 02092 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|---|--|--|-----------------------|
| 919.106 | influence quantity | according to 3.6.1 of R0_61-1:2017 ⁰⁴ , T.5.1 | a quantity that is not the subject of the measurement but which influences the value of the measurand or the indication of the filling instrument [based on VIM:1993, 2.7] quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result (VIM 2.52) | | 0312500809 |
| 920.106 | influence quantity | according to T.5.1 of R0_51-1:2006 , T.5.1 | quantity that is not the measurand but that affects the result of the measurement [VIM:1993, 2.7] | | 00664 |
| 924.107 | influence quantity | according to T.5.1 of R_107-1:2007 , T.5.1 | quantity that is not the measurand but that affects the result of the measurement [VIM: 1993, 2.10] | <i>Note:</i> An influence quantity does not affect the actual mass of the load being weighed, but affects the value (weighing result) indicated by the instrument. | 01396 |
| 922.107 | influence quantity | according to T.5.1 of R_134:2003 , T.5.1 | quantity that is not the subject of the measurement but which influences the value of the measurand or the indication of the instrument | | 01828 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|---|--|-------|----------------------------|
| 923.107 | influence quantity | according to T.5.1 of R_136-1:2004, T.5.1 | quantity that is not the subject of the measurement but which influences the value of the measurand or the indication of the measurement instrument [VIM:1993, 2.7] | | 01915 |
| 924.107 | influence quantity | according to 2.5.1 of R_050-1:20141997, T.6.1 | a quantity that is not the measurand but that affects the value of the measurand or the indication of the belt weigher [adapted from VIM:1993, 2.7] quantity that, in a direct measurement, does not affect the quantity that is actually measured, but that affects the relation between the indication and the measurement result [VIM, 2.52] | | 0312600530 |
| 925.107 | influence quantity | according to T.6.1 of R_076-1:2006, T.6.1 | quantity that is not the subject of the measurement but which influences the values of the measurand or the indication of the Instrument | | 00986 |
| 926.107 | influence quantity | according to 2.17 of R_144-1:2013, 1.17 | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but that affects the relation between the indication and the measurement result [VIM, 2.52] [1] | | 02772 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--------------------|--|---|-------|----------------------------|
| 927.107 | influence quantity | according to T.i.2 of R_117-1:2007, T.1.2 | quantity which is not the subject of the measurement but which influences the value of the measurand or the indication of the measuring system | | 0312701577 |
| 928.107 | influence quantity | according to 2.18 of R_143:2009, 2.18 | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but that affects the relation between the indication and the measurement result [VIM:2007,2.5] | | 02144 |
| 929.107 | influence quantity | according to 2.3.8 of R_129-1:202000, 2.29 | a quantity that is not the measurand but that affects the result of the measurement quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result [VIM 2.52] | | 0312801728 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|---|---|---|-------|
| 930.107 | influence quantity | according to 3.15 of D0_11:2013, 3.15 | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result [VIM 2.52][VIML 0.07] | <i>Note:</i> An influence quantity is not related to the measurand but is a quantity that affects the result of the measurement as indicated by the equipment under test (EUT). <i>Example:</i> The temperature of a measuring instrument is an influence quantity, but the temperature of the measured object (used as a reference for determining the fault or the error) is not. This influence of the environment on this measured object may need to be taken into consideration as a contributor in the definition of the measurand. | 02229 |
| 931.108 | influence quantity | according to 3.23 of R0_85-1:2008, 3.23 | quantity which is not the subject of the measurement but which influences the value of the measurand or the indication of the ALG | | 02321 |
| 932.108 | influence quantity | according to 3.24 of R0_99-1:2008, 3.24 | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result [VIM:2007,2.52] | | 02358 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|---|---|-------|-------|
| 933.108 | influence quantity | according to 3.25 of R0_81:1998, 3.25 | a quantity that is not the subject of the measurement but that can influence the value of the measurand or the indication of the measuring system (VIM:1993, 2.7). | | 01034 |
| 934.108 | influence quantity | according to 4.6 of R0_75-1:2002, 4.6 | quantity that is not the measurand but that affects the result of the measurement [VIM:1993, 2.7] | | 00856 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|--------------------|--|---|---|-------|
| 935.108 | influence quantity | according to 2.2.23 of R0_46-1:2012, 2.2.23 | <p>quantity that, in direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result</p> <p>[OIML V2:200:2012, 2.52]</p> | <p><i>Note 1:</i> The concept of influence quantity is understood to include values associated with measurement standards, reference materials and reference data upon which the result of a measurement may depend, as well as phenomena such as short-term measuring instrument fluctuations and quantities such as ambient temperature, barometric pressure and humidity.</p> <p><i>Note 2:</i> In the GUM [5], the concept 'influence quantity' is defined as in the second edition of the VIM, covering not only the quantities affecting the measuring system, as in the definition above, but also those quantities that affect the quantities actually measured. Also, in the GUM this concept is not restricted to direct measurements. [OIML V2-200:2012, 2.52, Note 2]</p> | 02322 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------------------|---|--|---|---|-----------------------|
| 1085. | influence quantity | according to 2.5.1 of R 150-1:2020, | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result [VIM 2.52] | | 03129 |
| 1086. | influence quantity (OIML V 1 [1], 0.07) | according to 3.5.7 of R 91-1:2025, | quantity that, in a direct measurement, does not affect the quantity that is actually measured, but affects the relation between the indication and the measurement result | Note: For speed meters the following quantities are examples of influence quantities: ambient temperature, measurement angle, acceleration of measured vehicle, distance and speed of other vehicles on the same or neighbouring lanes. | 03766 |
| 936. 108 | initial intrinsic error | according to T.24 of R 125:1998, T.24 | the intrinsic error of a measuring instrument as determined prior to performance tests | | 01641 |
| 937. | initial intrinsic error | R105:1993, T.18 | the intrinsic error of a measuring system as determined prior to performance tests and durability evaluations | | 01233 |
| 938. 108 | initial intrinsic error | according to 2.55 of R 80-1:2009, 2.55 | -intrinsic error as determined prior to each performance tests | | 02294 |
| 1089. | initial intrinsic error | according to 2 of R 80-2:2017, | intrinsic error as determined prior to each performance tests | | 03130 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|--|---|-------|-----------------------|
| 939.109 | initial intrinsic error | according to 3.5.2.3 of R_61-1:2017 ^{4.2.3} | intrinsic error of a weighing instrument as determined prior to performance and span stability tests <u>intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations</u> (VIML, 5.11) | | 0313100800 |
| 940.109 | initial intrinsic error | according to T.4.2.3 of R_134:2006 ^{4.2.3} | intrinsic error of an instrument as determined prior to performance tests and durability evaluations | | 0313201823 |
| 941.109 | initial intrinsic error | according to 0.4.4.3 of R_106-1:2011 ^{0.4.4.3} | intrinsic error of an instrument as determined prior to performance tests and durability evaluations | | 02609 |
| 942.109 | initial intrinsic error | according to T.5.5.3 of R_76-1:2006 ^{T.5.5.3} | intrinsic error of an instrument as determined prior to the performance and span stability tests | | 00979 |
| 943.109 | initial intrinsic error | according to 4.9.3 of R_75-1:2002 ^{4.9.3} | intrinsic error of a measuring instrument as determined prior to performance tests and durability tests | | 00861 |
| 944.109 | initial intrinsic error | according to T.4.3.4 of R_51-1:2006 ^{T.4.3.4} | intrinsic error of an instrument, as determined prior to the performance and span stability tests | | 00657 |
| 945.109 | initial intrinsic error | according to T.4.5.4 of R_107-1:2007 ^{T.4.5.4} | intrinsic error of an instrument as determined prior to the performance and span stability test | | 01390 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|--|---|-------|-----------------------|
| 946.109 | initial intrinsic error | according to 3.2.7 of R_49-1:2024 13 , 3.2.7 | <i>intrinsic error</i> (3.2.6) of a meter as determined prior to <i>performance test(s)</i> (3.4.6) and <i>durability</i> (3.2.10) evaluations [SOURCE source : OIML D 11:2013 — [3], 3.9, [8], modified — “meter” replaces “measuring instrument”:] | | 02399 |
| 947.109 | initial intrinsic error | according to T.2.15 of R_140:2007, T.2.15 | intrinsic error as determined prior to all performance tests | | 02081 |
| 948.109 | initial intrinsic error | according to 2.3.3 of R_129-1:2020 00 , 2.25 | the intrinsic error of a measuring instrument as determined prior to performance tests [VIML 5.11] | | 0313301724 |
| 949.110 | initial intrinsic error | according to T.5.3 of R_50-1:1997 2014 , T.5.3 | the intrinsic error of a belt weigher as determined prior to performance tests and durability evaluations <u>intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations</u> [OIML D 11, 3.8] | | 0313400527 |
| 950.110 | initial intrinsic error | according to 3.21 of R_081:1998, 3.21 | intrinsic error as determined prior to any of the performance tests | | 01030 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|---|--|-------|-----------------------|
| 951.110 | initial intrinsic error | according to 3.31 of R0_85-1:2008, 3.31 | error of an ALG as determined prior to performance tests and durability evaluations | | 02329 |
| 952.110 | initial intrinsic error | according to T.e.4.6 of R_117-1:201907, T.e.4.6 | intrinsic error as determined prior to all performance tests | | 0313501564 |
| 953.110 | initial intrinsic error | according to 3.9 of D0_11:2013, 3.9 | intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations | | 02223 |
| 954.110 | initial intrinsic error | according to 2.2.21 of R0_46-1:2012, 2.2.21 | intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations [OIML V1:2013, 5.11] | | 02321 |
| 1106. | initial intrinsic error | according to 3.7.8 of R 60-1:2021 | intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations [VIML 5.11] | | 03136 |
| 1107. | initial intrinsic error | according to 3.1.16 of R 126-1:2021 | intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations [VIML:2013, 5.11] | | 03137 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|---|-------|-----------------------|
| 1108. | initial intrinsic error | according to 2.4.5.2 of R 150-1:2020 | intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations | | 03148 |
| 1109. | initial intrinsic error (OIML V 1 [1], 5.11) | according to 3.5.4 of R 91-1:2025 | intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations | | 03767 |
| 955.111 | initial position | according to T of R0_53:1982, T | position of the reference point at a pressure equal to zero | | 00686 |
| 956.111 | initial verification | according to 2.18.1 of R_111-1:2004, 2.18.1 | <p>series of tests and visual examinations carried out before the equipment/weight is put into service to determine whether a weight or weight set has been manufactured to replicate a given type and conforms to that type and to regulations, and that its metrological characteristics lie within the limits required for initial verification of copies of that type. If the weights or weight set pass all the tests and examinations, it is given legal character by its acceptance as evidenced by stamping and/or the issuing of a certificate of verification</p> <p>(Adapted from OIML D 20 Initial and subsequent verification of measuring instruments and processes (1988))</p> | | 01469 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|-----------------------|
| 957.111 | initial verification | according to 2.5 of D0_15:1986, 2.5 | the verification of a new measuring instrument which has not been verified previously [VML 2.4.2]. | | 00262 |
| 958.111 | initial verification | according to 2.11 of D0_16:2011, 2.11 | verification of a measuring instrument which has not been verified previously [VIML 2.15] | | 02264 |
| 959.111 | initial verification | according to 2.12 of D0_09:2004, 2.12 | verification of a measuring instrument which has not been verified previously [VIML, 15] | | 00194 |
| 1115. | initial verification | according to 3.1.6 of D 34:2019, | verification of a measuring instrument which has not been verified previously [from VIML, 2.12 [3]] | | 03138 |
| 1116. | initial verification | according to 3.1.5 of R 126-1:2021, | verification of a measuring instrument which has not been verified previously (OIML V 1, 2.12) | | 03139 |
| 960.111 | initial verification of a measuring instrument | according to 2.5 of D0_27:2001, 2.5 | verification of a measuring instrument which has not been verified previously [VIML 2.15] | | 00167 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|---|--|-------|----------------------------|
| 961.112 | initial zero setting device | according to T.2.10.8.4 of R0_51-1:2006, T.2.10.8.4 | device for setting the indication to zero automatically at the time the instrument is switched on and before it is ready for use | | 00615 |
| 962.112 | initial zero-setting device | according to T.2.4.1.4 of R_134:2003, T.2.4.1.4 | device for setting the indication to zero automatically at the time the instrument is switched on and before it is ready for use | | 01801 |
| 963.112 | initial zero-setting device | according to T.2.7.2.4 of R0_76-1:2006, T.2.7.2.4 | device for setting the indication to zero automatically at the time the instrument is switched on and before it is ready for use | | 00923 |
| 964.112 | initial zero-setting device | according to 3.3.4.4 of R0_61-1:201704, T.2.4.4 | device for automatically setting the indication to zero at the time the filling instrument is switched on and before it is ready for use device for setting the indication to zero automatically at the time the instrument is switched on or reset and before it is ready for use | | 0314000780 |
| 965.112 | initial zero-setting device | according to T.2.4.4 of R_107-1:2007, T.2.4.4 | device for setting the indication to zero automatically at the time the instrument is switched on and before it is ready for use | | 01337 |
| 966.112 | injection device | according to 3.1 of R_113:1994, 3.1 | the means of introducing a sample into the column | | 01488 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------------|---|---|--|-------|
| 967.112 | injection device | according to 3.2 of R_83:2006, 3.2 | means by which a portion of a sample is introduced into the gas chromatographic column | | 01062 |
| 968.112 | injection device | according to 3.2 of R_82:2006, 3.2 | means by which a sample is introduced into the gas chromatographic column | | 01046 |
| 969.112 | injection device for the instrument | according to 2.1 of R_112:1994, 2.1 | the means of introducing a sample into the column | | 01473 |
| 970.112 | in-line meter | according to 3.1.13 of R_049-1:202413, 3.1.13 | type of meter that is fitted into a closed conduit by means of the meter end connections provided | <i>Note:</i> The end connections may be flanged or threaded. | 02381 |
| 971.112 | in-motion (dynamic) test | according to 0.6.2 of R_106-1:2011, 0.6.2 | test with reference wagons that are in motion on the load receptor to determine an error | | 02639 |
| 972.112 | in-motion test | according to T.6.2 of R_134:2003, T.6.2 | test with reference vehicles that are in motion on the load receptor to determine an error | | 01834 |
| 973.113 | innage height | according to T.8 of R_95:1990, T.8 | the distance between the dipping datum point and the free surface of the liquid, measured along the vertical measurement axis | | 01144 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|--------------------------|--|---|-------|-------|
| 974.113 | input measurement signal | according to 2.5 of R_144-1:2013, 1.5 | measurement signal functionally related to the measurand – the volume fraction of a component to be measured, which enters the input of a measuring instrument, a measuring channel or a separate converter component | | 02756 |
| 975.113 | input measurement signal | according to 2.5 of R_143:2009, 2.5 | measurement signal functionally related to the measurand – the volume fraction of a component to be measured, which enters the input of a measuring instrument, a measuring channel or a separate converter component | | 02127 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|--|-------|
| 976.113 | in-service surveillance (alternatively “field surveillance”) | according to 2.25 of D0_16:2011, 2.25 | form of metrological supervision aimed at establishing that a measuring instrument in use in the field complies with the statutory requirements | <p><i>Note 1:</i> “Field surveillance” should not only cover the instrument itself but also the user, to evaluate the proper use of the instrument.</p> <p><i>Note 2:</i> on the relation between market surveillance and field surveillance:</p> <p>Both types of surveillance can in principle overlap but where a conformity assessment of a measuring instrument indicates that the findings can be directly related to the responsibilities of manufacturers or their representatives, the matter should be dealt with by market surveillance</p> | 02278 |
| 977.113 | inspection | according to 2.8 of D00_9:2004, 2.8 | function of an investigation to ascertain that the legal requirements related to the matter under investigation are observed. | | 00190 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------|--|--|--|-----------------------|
| 1135. | inspection | according to 3.1.7 of D 34:2019, | examination of product design, product, process or installation and determination of its conformity with specific requirements or, on the basis of professional judgment, with general requirements (from ISO/IEC 17000:2004, 4.3 [2] and VIML, A.11 [3]) | | 03174 |
| 1136. | inspection | according to 3.1 of D 37:2022, | Inspection is the examination of product (see G.3.2-1 and determination of its conformity with the applicable OIML Recommendation(s). OIML guidance to subclause 3.2 (G.3.1-1) | | 03141 |
| 1137. | inspection body | according to 3.5 of D 37:2022, | For the purposes of the OIML-CS, an Inspection Body is OIML Issuing Authority approved by the OIML-CS management Committee. The Inspection Body has used compliance with ISO/IEC 17020 and the additional requirements specifies in OIML-CS Procedural Document PD-03 Application and approval of OIML Issuing Authorities, Utilizers and Associates to demonstrate their competence. OIML guidance to subclause 3.5 (G.3.5-1) | | 03142 |
| 1138. | inspection body | according to 3.9 of D 10:2022, | body that performs inspection (ISO/IEC 17020, 3.5) | Note: An inspection body can be an organisation, or part of an organisation. | 03143 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---|---|---|--|-----------------------|
| 1139. | inspection system | according to 3.6 of D 37:2022. | No OIML guidance | | 03144 |
| 1140. | inspection scheme | according to 3.7 of D 37:2022. | For the purposes of the OIML-CS, the specified requirements are those in OIML Recommendations and the rules and procedures are those detailed in OIML B 18 and the OIML-CS Operational and Procedural Documents OIML guidance to subclause 3.7 (G.3.7-1) | | 03145 |
| 978.114 | inspection lot | according to 2.1.4 of R_087:2016, 2.1.4 | identified group of prepackages which will be inspected against the requirements of this Recommendation | <p><i>Note 1:</i> —The symbol “N” is used to designate the lot size.</p> <p><i>Note 2:</i> —Upper case letters are used as symbols related to the inspection lot in this Recommendation.</p> <p><i>Note 3:</i> —An inspection lot is sometimes referred to as a batch.</p> | 02497 |
| 979.114 | instability of the calibration characteristic | according to 2.6 of R_48:2004, 2.6 | variation in the temperature of a tungsten ribbon. The temperature instability is characterized by a temperature equivalent to the current change in the lamp circuit per 1 hour | | 00406 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|----------------------------|
| 980.114 | installation effect | according to T.2.19 of R_140:2007, T.2.19 | any difference in performance of the metering module arising between the calibration under ideal conditions and actual conditions of use. This difference may be caused by different flow conditions due to velocity profile, perturbations, or by different working regimes (pulsation, intermittent flow, alternating flow, vibrations, etc.) | | 02088 |
| 981.114 | instantaneous field of view (IFOV) | according to 2.8 of R_141:2008, 2.8 | space angle within which the infrared radiation is detected by one photosensitive element of the photodetector | | 02112 |
| 1145. | instantaneous force indicating device | according to 2.4.2.1 of R 150-1:2020, | device that indicates the actual force at a given time effected on the force receptor expressed as its quantity value or as a procentage of maximum capacity, Max, or alternatively as a quantity caonverted to mass values | | 03151 |
| 982.114 | instantaneous load indicating device | according to 2.4.2.1 of R0_50-1:20141997, T.3.8.3 | a device that indicates the percentage of the maximum capacity (Max) or the mass of the load acting on the weighing unit at a given time device that indicates the percentage of the maximum capacity, Max, or the mass of the load acting on the weighing module at a given time | | 0314600508 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|--|--|-------|-------|
| 983.114 | instrument detection limit (IDL) | according to 3.6 of R 100-1:2013, 3.6 | figure of merit which is calculated as three times the observed standard deviation of the baseline noise, established by measuring the output signal from a blank test solution free of interferences | | 02517 |
| 984.114 | instrument that weighs dynamically | according to T.3.4.6 of R 51-1:2006, T.3.4.6 | instrument that operates with a non-stable equilibrium based measuring system during the mass determining process while the load transport system is in motion (e.g. where the load transport system is moving; checkweighers fitted with a load receptor on which the load slides; or vehicle mounted or incorporated catchweighers where the load receptor is in motion) | | 00646 |
| 985.114 | instrument that weighs statically | according to T.3.4.5 of R 51-1:2006, T.3.4.5 | instrument that operates with a stable equilibrium (T.3.2.5) based measuring system during the mass determining process, when the load transport system has stopped or, in the case of vehicle mounted or incorporated catchweighers, when the load receptor is stationary | | 00645 |
| 986.115 | instrument with price scales | according to T.1.2.7 of R 76-1:2006, T.1.2.7 | instrument that indicates the price to pay by means of price charts or scales related to a range of unit prices | | 00882 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|---|---|---|-----------------------|
| 987.115 | instrumental drift | according to 2.23 of R_144-1:2013, 1.23 | continuous or incremental change over time in the indication, due to changes in the metrological properties of a measuring instrument [VIM, 4.21] [1] | <i>Note:</i> In this Recommendation, “drift” means a change in the indication which occurs during a stated period of time at a given concentration of CO, NO and NO ₂ in a sample to be analyzed. | 02778 |
| 988.115 | instrumental drift | according to 2.24 of R_143:2009, 2.24 | continuous or incremental change over time in the indication, due to changes in the metrological properties of a measuring instrument. | Note 1: In this Recommendation, “drift” means a change in the indication which occurs during a stated period of time at a given concentration of SO ₂ in a sample to be analyzed. Note 2: 2. [VIM:2007, 4.21] | 02150 |
| 989.115 | (instrumental) drift | according to 3.2.22 of R_137:2012, 3.2.22 | continuous or incremental change over time in indication, due to changes in the metrological properties of a measuring instrument { [VIM 4.21] } | | 02678 |
| 1154. | instrumental drift | according to 3.10 of D 10:2022 | continuous or incremental change over time in indication, due to changes in metrological properties of measuring instrument (VIM3, 4.21) | <i>Note:</i> Instrumental drift is related neither to a change in quantity being measured nor to a change of any recognized influence quantity. | 03147 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|---|--|--|-----------------------|
| 990.115 | integrity of programs, data or parameters | according to 2.2.8 of R_146-1:2016, 2.2.8 | assurance that the programs, data or parameters have not been subjected to any unauthorized or unintended changes while in use, transfer, storage, repair or maintenance | | 02806 |
| 991.115 | integrity of programs, data or parameters | according to 2.3.10 of R_59-1:2016, 2.3.10 | assurance that the programs, data or parameters have not been subjected to any unauthorized or unintended changes during their use, transfer, storage, repair or maintenance | | 02475 |
| 992.115 | integrity (of programs software, measurement data, or parameters) | according to 3.2.25 of D_31:202308, 3.1.26 | assurance that the programs software, measurement data, or parameters have not been subjected to any unauthorized or unintended unintentional, accidental or inadmissible changes while in use, transfer, storage, repair or maintenance | <i>Note:</i> Software may include parameters and data, see 3.2.70. | 0314902193 |
| 1158. | integrity (of programs, data, or parameters) | according to 3.3.7 of R 126-1:2021 | assurance that the programs, data, or parameters have not been subjected to any unauthorised or unintended changes while in use, transfer, storage, repair or maintenance (OIML D 31, 3.1.21) | | 03161 |
| 993.115 | intercomparison solution | according to 2.15 of R_135:2004, 2.15 | solution used in an external quality assessment scheme. The assigned reference value of absorbance of this solution is known to the external quality assessment scheme organizer only | | 01854 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|---|-------|----------------------------|
| 994.116 | interface | according to 2.2.5 of R_021:2007, 2.2.5 | electronic, optical, radio or other hardware and software connection means that enables information to be automatically passed between several measuring instruments or devices or between several different software modules | | 00348 |
| 995.116 | interface | according to T.2.9 of R_107-1:2007, T.2.9 | electronic, optical, radio or other hardware or software that enables information to be automatically passed between instruments and modules | | 01354 |
| 1162. | interface | according to 3.3.8 of R 61-1:2017, | shared boundary between two functional units, defined by various characteristics pertaining to the functions, physical interconnections, signal exchanges, and other characteristics of the units, as appropriate (OIML D31) | | 03665 |
| 996.116 | interface | according to 3.2.26 of D0_31:202308, 3.1.27 | shared boundary between two functional units, defined by various characteristics pertaining to the functions, physical interconnections, signal exchanges, and other characteristics of the units, as appropriate [ISO 2382-9: 1995 2015] [4] | | 0315002194 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|---|--|-------|--|
| 1164. | interface | according to 2.2.11 of R 150-1:2020, | shared boundary between two functional units, defined by various characteristics pertaining to the functions, physical interconnections, signal exchanges, and other characteristics of the units, as appropriate [OIML D 31, 3.1.27] | | 03157 |
| 1165. | interface | according to 3.3.7 of R 126-1:2021, | shared boundary between two functional units, defined by various characteristics pertaining to the functions, physical interconnections, signal exchanges, and other characteristics of the units, as appropriate [OIML D 31, 3.1.22] | | 03160 |
| 997.116 | intermittent automatic checking facility checking facility of type I | according to 3.2.15.2 of R 139-1:2022 14, 3.2.15.2 | automatic checking facility that operates at certain time intervals or per fixed number of measurement cycles [OIML D 11:2013, 3.19.1.2] | | 03152 02736 |
| 998.116 | intermittent automatic checking facility type I automatic checking facility | according to 3.5.7 of R 49-1:2024 13, 3.5.7 | <i>automatic checking facility (3.5.5)</i> that operates at certain time intervals or per fixed number of measurement cycles [SOURCE: OIML D 11:2013 3.19.1.2, [38], 3.19.1.2, modified — Synonym presentation.] | | 02440 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|--|------------------|
| 999. | intermittent automatic checking facility (type I) | R105:1993, T.30.2 | an automatic checking facility that operates at least once at the beginning of each measurement operation | | 01249 |
| 1000.11 | intermittent automatic checking facility (Type I) | according to T.34.1.2 of R_125:1998, T.34.1.2 | an automatic checking facility operating at certain time intervals or over a fixed number of measurement cycles | | 01656 |
| 1001.11 | intermittent automatic checking facility (type I) | according to 2.59 of R_80-1:2009, 2.59 | automatic checking facility that operates at certain time intervals or per fixed number of measurement cycles | | 02298 |
| 1170. | intermittent automatic checking facility (type I) | according to 2 of R 80-2:2017, | automatic checking facility that operates at certain time intervals or per fixed number of measurement cycles | | 03153 |
| 1002.11 | intermittent automatic checking facility (type I) | according to 3.19.1.2 of D_11:2013, 3.19.1.2 | automatic checking facility that operates at certain time intervals or per fixed number of measurement cycles | | 02238 |
| 1003.11 | intermittent automatic checking facility (type I) | according to 3.30.2 of R_99-1:2008, 3.30.2 | automatic checking facility operating at certain time intervals or per fixed number of measurement cycles [adapted from OIML D 11:2004, 3.18.1.2] | [adapted from OIML D 11:2004, 3.18.1.2] | 02366 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|-----------------------|
| 1004.11 | intermittent automatic checking facility (type I) | according to T.c.2.3 of R_117-1:201907, T.c.2.3 | automatic checking facility operating at least once, either at the beginning or at the end of each measurement operation | | 0315401543 |
| 1005.11 | intermittent automatic checking facility (type I) | according to 3.13 of R_85-1:2008, 3.13 | automatic checking facility that operates at certain time intervals or per fixed number of measurement cycles | | 02311 |
| 1175. | intermittent automatic checking facility (type I) | according to A.1.7 of R 60:2021 - Annexes | automatic checking facility that operates at certain time intervals or per fixed number of measurement cycles (OIML D 11, 3.19.1.2) | | 03175 |
| 1006.11 | intermittent automatic checking facility (type I) | according to 3.30 of R_81:1998, 3.30 | an automatic checking facility that operates at least once, either at the beginning or end of each measurement operation | | 01039 |
| 1007.11 | intermittent automatic checking facility (Type I) | according to T.4.5 of R_140:2007, T.4.5 | automatic checking facility intervening at certain time or quantity intervals | | 02103 |
| 1008.11 | internal adjustment facility | according to 3.12 of R_99-1:2008, 3.12 | facility to adjust the instrument to a designated value without the use of an external reference gas | | 02345 |
| 1009.11 | internal adjustment means | according to 2.10 of R_144-1:2013, 1.10 | means to adjust the gas analyzer without the use of a CGM | | 02765 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|---|---------------------------------------|
| 1010.11 | internal adjustment means | according to 2.10 of R_143:2009, 2.10 | means to adjust the gas analyzer without the use of a CGM | | 02136 |
| 1181. | internal clock | according to 2.2.8.2 of R 150-1:2020, | electronic device that keeps time and is used for the calculation of the measurement results | | 03158 |
| 1011.11 | internal floating roof | according to T.12 of R_125:1998, T.12 | a tank roof which floats freely on the surface of the liquid in a tank fitted with a fixed external roof. At low levels the weight of the roof is taken on its supports on the tank bottom | | 01628 |
| 1183. | International System of Units SI | according to 3.1 of D 5:2022, | System of units, based on the International System of Quantities, their names and symbols, including a series of prefixes and their names and symbols, together with rules for their use, adopted by the General Conference on Weights and Measures (CGPM) | For notes see [VIM, 1.16] | 03155 |
| 1012. | interruptible / non-interruptible measuring system | R105:1993, T.23 | a measuring system is considered as interruptible/non-interruptible when the liquid flow can/cannot be stopped, easily and rapidly | | 01238 |
| 1013.11 | interruptible and non-interruptible measuring system | according to T.i.4 of R_117-1:2019, T.i.4 | an interruptible measuring system is a measuring system in which the liquid flow can be stopped easily and rapidly (this does not include an emergency stop). In other cases, the measuring system is considered to be non-interruptible | | 03156 1579 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|--|------------------|
| <u>1185.</u> | <u>interruptible cumulative measurement</u> | <u>according to 3.2.27 of D 31:2019</u> | <u>process of cumulative measurement of the quantity value of a measurand that can be easily and rapidly stopped during normal operation</u> | <u>Note 1: Examples include: a) discontinuous totalising automatic weighing instrument, b) fuel dispenser.</u> <u>Note 2: See also non-interruptible cumulative measurement (3.2.48).</u> | <u>03159</u> |
| 1014.11 | interval meter | <u>according to 2.1.2 of R 46-1:2012, 2.1.2</u> | electricity meter which displays and stores the result as measured in predetermined time intervals | | 02281 |
| 1015.11 | intraocular pressure (IOP) | <u>according to 1.2 of R 145-1:2015, 1.2</u> | pressure within the eye front chamber, given in millimetres of mercury (mmHg) or kilopascals (kPa) | | 02781 |
| 1016.11 | intrinsic error | <u>according to T.23 of R 125:1998, T.23</u> | the error of a measuring instrument used under reference conditions (VIM:1993, 5.24) | | 01640 |
| 1017. | intrinsic error | R 105:1993, T.17 | the error of a measuring system used under reference conditions [VIM:1993, 5.27] | | 01232 |
| 1018.11 | intrinsic error | <u>according to 2.54 of R 80-1:2009, 2.54</u> | error (of the indicated volume) of a measuring system used under reference conditions | | 02293 |
| <u>1190.</u> | <u>intrinsic error</u> | <u>according to 2 of R 80-2:2017,</u> | <u>error (of the indicated volume) of a measuring system used under reference conditions</u> | | <u>03162</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|---|---|-------|----------------------------|
| 1019.11 | intrinsic error | according to 8 of R_124:1997, 8 | the error of an instrument used under reference conditions (VIM:1993, clause 5.24 or D 11 clause T.6) | | 01613 |
| 1020.11 | intrinsic error | according to 3.5.2.2 of R_61-1:2017, 4.2.2 | error of a weighing instrument, determined under reference conditions [based on VIM:1993, 5.24] error of a measuring instrument, determined under reference conditions VIML, 0.06 | | 0316300799 |
| 1021.11 | intrinsic error | according to T.4.2.2 of R_134:2003, 4.2.2 | error of an instrument under reference conditions error of an instrument determined under reference conditions. [VIM 5.24] | | 0316401822 |
| 1022.11 | intrinsic error | according to 0.4.4.2 of R_106-1:2011, 0.4.4.2 | error of an instrument determined under reference conditions [VIM 5.24] | | 02608 |
| 1023.11 | intrinsic error | according to T.5.5.2 of R_76-1:2006, 5.5.2 | error of an instrument determined under reference conditions [VIM: 1993, 5.4] | | 00978 |
| 1024.11 | intrinsic error | according to T.4.3.3 of R_51-1:2006, 4.3.3 | error of an instrument, determined under reference conditions [VIM:1993 5.24] | | 00656 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|---|--|---|-----------------------|
| 1025.11 | intrinsic error | according to T.4.5.3 of R_107-1:2007, T.4.5.3 | error of an instrument, determined under reference conditions [VIM: 1993, 5.24] | | 01389 |
| 1026.11 | intrinsic error | according to 2.2.4 of R_59-1:2016, 2.2.4 | error of a measuring instrument, determined under reference conditions [OIML D11, 3.8] | | 02461 |
| 1027.11 | intrinsic error | according to 3.2.6 of R_137:2012, 3.2.6 | error determined under reference conditions ([OIML D_11, 3.7]) | | 02662 |
| 1028.12 | intrinsic error | according to 3.2.6 of R_49-1:2013, 3.2.6 | error (3.2.4) of a meter determined under reference condition(s) (3.4.5) [SOURCE: OIML D 11:2013 3.8, [38], 3-8, modified — “meter” replaces “measuring instrument”:] | | 02398 |
| 1029.12 | intrinsic error | according to 3.1.9 of R_139-1:2014, 3.1.9 | error of indication determined under reference conditions [OIML V_1:2013, 0.06] | | 0316502708 |
| 1030.12 | intrinsic error | according to 2.2.9 of R_146-1:2016, 2.2.9 | error of a measuring instrument, determined under reference conditions [OIML D11:2013, 3.7] | Note: The grain sample would also be at the reference conditions. | 02807 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|---|--|-------|----------------------------|
| 1031.12 | intrinsic error | according to 2.14 of R_144-1:2013, 1.14 | error of a gas analyzer, determined under reference conditions | | 02769 |
| 1032.12 | intrinsic error | according to T.4.2 of R_136-1:2004, T.4.2 | error of a measuring instrument determined under reference conditions [VIM:1993, 5.24] | | 01905 |
| 1033.12 | intrinsic error | according to 2.4.5.1 of R0_50-1:20141997, T.5.2 | the error of a belt weigher, determined under reference conditions [VIM:1993, 5.24] error of a measuring instrument determined under reference conditions [OIML D 11, 3.7] | | 0316600526 |
| 1034.12 | intrinsic error | according to T.2.14 of R_140:2007, T.2.14 | error determined under reference conditions | | 02080 |
| 1035.12 | intrinsic error | according to 2.14 of R_143:2009, 2.14 | error of a gas analyzer, determined under reference conditions | | 02140 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|--|--|--|----------------------------|
| 1036.12 | intrinsic error | according to 3.1.15 of R_126-1:2021 12 , 2.20 | error of a measuring instrument, determined under reference conditions (OIML D11, 3.7 Błąd! Nie można odnaleźć źródła odwołania.) error of a measuring instrument, determined under reference conditions [adapter from OIML V 1, 0.06] | | 0316702645 |
| 1037.12 | intrinsic error | according to 2.3.2 of R 129-1:2020 R129:2000 , 2.24 | the error of a measuring instrument determined under reference conditions [VIM:1993, 5.24] error of a measuring instrument determined under reference conditions [VIML 0.06] | | 0316801723 |
| 1038.12 | intrinsic error | according to 2.28 of R_135:2004 , 2.28 | error of a measuring instrument, determined under reference conditions | <i>Note 1:</i> 4. The initial intrinsic error is the intrinsic error of a measuring instrument as determined prior to performance tests and durability evaluations (see 2.32). [VIM:1993, 5.24] | 01867 |
| 1039.12 | intrinsic error | according to 3.18 of R0_99-1:2008 , 3.18 | error of a measuring instrument determined under reference conditions | | 02352 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|---|--|-------|----------------------------|
| 1040.12 | intrinsic error | according to 3.20 of R_81:1998, 3.20 | the error of a measuring system under reference conditions—— | | 01029 |
| 1041.12 | intrinsic error | according to 3.30 of R_85-1:2008, 3.30 | error of an ALG determined under reference conditions | | 02328 |
| 1042.12 | intrinsic error | according to T.e.4.5 of R_117-1:201907, T.e.4.5 | error (of indication) of a conditions —measuring system or its components used under reference conditions | | 0316901563 |
| 1043.12 | intrinsic error | according to 3.8 of D_11:2013, 3.8 | error of indication determined under reference conditions [VIML 0.06] | | 02222 |
| 1044.12 | intrinsic error | according to 2.2.20 of R_46-1:2012, 2.2.20 | error of a measuring instrument, determined under reference conditions [OIML V1:2013, 0.06] | | 02320 |
| 1045.12 | intrinsic error | according to 3.2.28 of D_31:2023008, 3.1.28 | error of indication, —a measuring instrument, determined under reference conditions [O VIML V 1:19920322, 0.06 5.24; OIML D 11:2004, 3.7] | | 0317002195 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|-------|------------------|
| 1218. | intrinsic error | according to 2.2.20 of R 46-1:2012, | error of a measuring instrument determined under reference conditions [VIML:2013, 0.06] | | 03171 |
| 1219. | intrinsic error [OIML D 11, 3.8] | according to 3.27 of R 142-1:2025, | error of a measuring instrument determined under reference conditions | | 03717 |
| 1220. | intrinsic error (OIML V 1 [1], 0.06) | according to 3.5.3 of R 91-1:2025, | error of indication, determined under reference conditions | | 03768 |
| 1046.12 | intrinsic error (of a measuring instrument) | according to 4.9.2 of R 75-1:2002, 4.9.2 | error of a measuring instrument, determined under reference conditions [VIM:1993, 5.24]. | | 00860 |
| 1047.12 | investigation | according to 2.6 of D 9:2004, 2.6 | function of metrological supervision consisting of a systematic examination to determine compliance with legal requirements | | 00188 |
| 1048. | irregular shaped object | R129:2000, 2.11 | any object other than a rectangular box | | 01710 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|------------------------------|--|---|--|-------|
| 1049. | Issuing Authority | D030:2008, 3-G.3-1 | any Authority that is responsible for issuing Certificates within a specified system of legal metrology control | In the case of type evaluation, an Issuing Authority may be a national Type Approval Body and/or, for the implementation of the OIML Mutual Acceptance Arrangement (MAA), an OIML Issuing Authority according to 2.13 of OIML B 3 and 3.11 of B 10-1. | 02162 |
| 1050.122 | jurisdiction | <u>according to 1.1.7 of D0_19:1988, 1.1.7</u> | the sphere within which a particular government or a given agency of such a government has power to make or enforce law or regulation <u>Examples: The spheres of legal authority of (1) a particular national government, (2) a particular provincial government, (3) the legal metrology agency of a particular country, and the agency of a particular city government charged with enforcing pollution laws.</u> | <u>Examples: The spheres of legal authority of</u> <u>(1) a particular national government, (2) a particular provincial government, (3) the legal metrology agency of a particular country, and</u> <u>the agency of a particular city government charged with enforcing pollution laws.</u> | 00131 |
| 1051.12 | label | <u>according to 2.1 of R0_79:2015, 1.1</u> | written, printed, or graphic matter affixed to, applied to, attached to, blown into, formed or molded into, embossed on, appearing upon, included in, belonging to, or accompanying a prepackage containing any product for purposes of branding, identifying, or giving any information with respect to the product or to the contents of the prepackage | | 02480 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|----------------------------|---|--|--|-----------------------|
| 1225. | laboratory | according to 3.11 of D 10:2022, | body of performs one ore more the following activities: - testing; - calibration; - sampling, associated with dubsequent testing or calibration (ISO/IEC 17025, 3.6) | | 03176 |
| 1052-122 | laboratory accreditation | according to 1.1.9 of D 19:1988, 1.1.9 | a formal recognition that a testing laboratory is competent to carry out specific tests or specific types of tests. | <i>Note :</i> The genetic term «accreditation» can cover the recognition of both the technical competence and the impartiality of a testing laboratory or only its technical competence. Accreditation is normally awarded following successful laboratory assessment and is followed by appropriate monitoring. | 00133 |
| 1053-122 | lambda | according to 3.33 of R 99-1:2008, 3.33 | dimensionless value representative of the burning efficiency of an engine in terms of the air/fuel ratio in the exhaust gases and determined with a referenced standardized formula | | 02369 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|---|-------|
| 1054.12 | law of Bouguer-Lambert and Beer ($A = \lg(1/\tau) = \epsilon bc$) | according to 2.9 of R_135:2004, 2.9 | absorbance A is proportional to the optical path length b and the amount of substance concentration c | Note 1: 4. Conditions for validity: A beam of parallel monochromatic radiation traverses, at normal incidence, an absorbing medium with plane-parallel surfaces and which is homogeneous, isotropic, non-luminescent and non-scattering. Note 2: 2. Adapted from ISO 6286, clause 3.3. | 01848 |
| 1055.12 | leather | according to T.1.6 of R_136-1:2004, T.1.6 | material prepared from the hides and skins of animals, by tanning and other ancillary processes, the result of which is a three dimensional, durable and hygroscopic material of varying thickness and softness | | 01885 |
| 1056.12 | legal character | according to 1.2.2 of D0_20:1988, 1.2.2 | the attribute of a measuring instrument whereby, having fulfilled all the administrative, metrological, and technical requirements of regulations, it is officially recognized to be legal for use in approved applications | | 00136 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|--|--|-----------------------|
| 1057.12 | legal control of measuring instruments | according to 3.1.10 of D00_1:2012, 3.1.10 | generic term used to globally designate legal operations to which measuring instruments may be subjected, e.g. type approval, verification, etc. [VIML 2.02] | | 02210 |
| 1058.12 | legal control of measuring instruments | according to 2.3 of D0_16:2011, 2.3 | generic term used to globally designate legal operations to which measuring instruments may be subjected, e.g. type approval, verification, etc. [VIML 2.2] | | 02256 |
| 1233. | legal control of measuring instruments | according to 3.25 of D 5:2022, | generic term used to globally designate legal operations to which measuring instruments may be subjected, e.g. type approval, verification, etc. [VIML 2.2] | | 03177 |
| 1059.12 | legal document | according to 3.1.1 of D0_01:2012, 3.1.1 | any legislative text adopted by, or by virtue of, government and/or parliament decision | <i>Note 1:</i> Legal documents may be primary legislation (for example named treaty, law or act) or secondary legislation (for example named decree, decision or regulation). <i>Note 2:</i> “Legal document” is sometimes referred to as “Legal instrument”. | 02201 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------|---|---|--|-------|
| 1060.12 | legal measuring instrument | according to 1 of D00_3:1979, 1 | a measuring instrument which conforms to all the prescribed legal requirements | | 00223 |
| 1061.12 | legal metrological control | according to 3.1.9 of D00_1:2012, 3.1.9 | the whole of legal metrology activities [VIML 2.01] | <i>Note:</i> Legal metrological control includes <ul style="list-style-type: none"> - legal control of measuring instruments, - legal metrological supervision, and - legal metrological expertise. | 02209 |
| 1062.12 | legal metrological control | according to 2.2 of D0_16:2011, 2.2 | the whole of legal metrology activities which contribute to metrological assurance [VIML 2.1] | <i>Note:</i> Legal metrological control includes: <ul style="list-style-type: none"> - legal control of measuring instruments; - metrological supervision; - metrological expertise. | 02255 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------|--|---|---|-------|
| 1063.12 | legal metrological control | <u>according to 2.2 of D0_27:2001, 2.2</u> | whole of legal metrology activities which contribute to metrological assurance [VIML, 2.1] | <u>Note:</u> Legal metrological control includes: - legal control of measuring instruments, - metrological supervision, - metrological assessment. | 00164 |
| 1064.12 | legal metrological control | <u>according to 2.4 of D00_9:2004, 2.4</u> | the whole of legal metrology activities which contribute to metrological assurance [VIML, 2.1] | <u>Note:</u> Legal metrological control includes: - legal control of measuring instruments; - metrological supervision; - metrological expertise. | 00186 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------|-----------------------------------|--|--|--|--------------|
| 1240. | <u>legal metrological control</u> | <u>according to 3.1.8 of D 34:2019,</u> | <u>the whole of legal metrology activities (from VIML, 2.01)</u> | <p><u>Note: Legal metrological control includes:</u></p> <ul style="list-style-type: none"> • <u>legal control of measuring instruments,</u> • <u>metrological supervision, and</u> • <u>all the operations for the purpose of examining and demonstrating, e.g. to testify in a court of law, the condition of measuring instrument and to determine its metrological properties, amongst others by reference to the relevant statutory requirements</u> | <u>03178</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------------|----------------------------|--|---|--|-------|
| 1065-12 1241. | legal metrological control | according to 3.24 of D 34:2019, | the whole of legal metrology activities [VIML, 2.01] | <p><i>Note:</i> Legal metrological control includes:</p> <ul style="list-style-type: none"> • legal control of measuring instruments, • metrological supervision, • all the operations for the purpose of examining and demonstrating, e.g. to testify in a court of law, the condition of measuring instrument and to determine its metrological properties, amongst others by reference to the relevant statutory requirements. | 03179 |
| 1065-12 | legal metrology | according to 2.1 of D 16:2011, 2.1 | <p>part of metrology related to activities which result from statutory requirements and concern measurement, units of measurement, measuring instruments and methods of measurement and which are performed by competent bodies</p> <p>[VIML 1.2]</p> | <p><i>Note 1:</i> The scope of legal metrology may be different from country to country.</p> <p><i>Note 2:</i> The competent bodies responsible for legal metrology activities or part of these activities are usually called legal metrology services.</p> | 02254 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------|--|--|--|-----------------------|
| 1066.12 | legal metrology | according to 2.1 of D00_9:2004, 2.1 | part of metrology relating to activities which result from statutory requirements and concern measurement, units of measurement, measuring instruments and methods of measurement and which are performed by competent bodies [VIML, 1.2] | | 00183 |
| 1244. | legal metrology | according to 3.1.9 of D 34:2019, | practice and process of applying statutory and regulatory structure and enforcement to metrology (form VIML, 1.01) | | 03180 |
| 1245. | legal metrology | according to 3.1.2 of R 60-1:2021, | practice and process of applying statutory and regulatory structure and enforcement to metrology | (for notes, refer to the VIML) | 03181 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------|-----------------|--|---|--|-------|
| 1246. | legal metrology | according to 3.23 of D 5:2022 | practice and process of applying statutory and regulatory structure and enforcement to metrology [VIML, 1.01] | <p><u>Note 1</u> The scope of legal metrology may be different from country to country.</p> <p><u>Note 2</u> Legal metrology includes</p> <ul style="list-style-type: none"> - setting up legal requirements, - control/conformity assessment of regulated products and regulated activities, - supervision of regulated products and of regulated activities, and - providing the necessary infrastructure for the traceability of regulated measurements and measuring instruments to SI or national standards. <p><u>Note 3</u> There are also regulations outside the area of legal metrology pertaining to the accuracy and correctness of measurement methods.</p> | 03182 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------------|---|--|---|---|-----------------------|
| 1067.12 1247. | legal metrology laboratory (legal metrology services) | according to 3.33 of D 5:2022 | laboratory of an authorised institute responsible for a legal control of measuring instruments, e.g. type approval, verification, etc. | <p><i>Note 1</i> The recommended role of such an institute is described in detail in OIML D 1:2012, 3.2.2.3 [10].</p> <p><i>Note 2</i> Legal metrology laboratories are generally laboratories of the state legal metrology services or private metrology laboratories charged (authorised) by the national (legal) metrology authority to carry out legal control of measuring instruments within a defined scope.</p> | 03183 |
| 1067.12 | legal metrology officer | according to 2.1 of D 14:2004, 2.1 | agent appointed by the state or a local authority, or having a similar legal status, responsible for the execution of various tasks defined within the framework of the application of laws and regulations in the field of legal metrology | | 00118 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|--|-------|
| 1068.12 | legally controlled measuring instrument | according to 2.3 of D00_9:2004, 2.3 | (hereinafter referred to as “measuring instrument”): measuring instrument which conforms to prescribed requirements, in particular legal metrological requirements [VIML, 4.3] | <i>Note:</i> For For the purposes of this Document the following instruments may fall under legal control according to national regulations: measuring instruments, coin counting machines, medical measuring instruments, water dispensing machines, timing instruments in vehicle washes. | 00185 |
| 1069.12 | legally controlled measuring instrument | according to 2.7 of D0_16:2011, 2.7 | measuring instrument which conforms to prescribed requirements, in particular legal metrological requirements [VIML 4.3] | <i>Note 1:</i> For the purposes of this Document the following instruments may fall under control according to national regulations: measuring instruments, coin counting machines, medical measuring instruments, water dispensing machines, timing instruments in vehicle washers. <i>Note 2:</i> Legally controlled measuring instrument is hereafter referred to as a “measuring instrument”. | 02260 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------|---|---|-------|-------|
| 1070.12 | legally relevant | according to 2.2.40 of R_46-1:2012, 2.2.40 | attribute of a part of a measuring instrument, device or software subject to legal control [OIML V1:2013, 4.08] | | 02339 |
| 1071.12 | legally relevant | according to 0.1.15 of R_106-1:2011, 0.1.15 | part of a measuring instrument, device or software subject to legal control | | 02536 |
| 1072.12 | legally relevant | according to 2.1.5 of R_21:2007, 2.1.5 | part of a measuring instrument, device or software subject to legal control | | 00342 |
| 1073.12 | legally relevant | according to 2.2.5 of R_59-1:2016, 2.2.5 | software/hardware/data or part of the software/hardware/data of a measuring instrument which interferes with properties regulated by legal metrology, e.g. the accuracy of the measurement or the correct functioning of the measuring instrument [OIML D31, 3.1.29] | | 02462 |
| 1074.12 | legally relevant | according to 2.2.10 of R_146-1:2016, 2.2.10 | software/hardware/data or part of the software/hardware/data of a measuring instrument which interferes with properties regulated under legal metrology, e.g. the accuracy of the measurement or the correct functioning of the measuring instrument [OIML D31:2008, 3.1.29] | | 02808 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|---|-----------------------|
| 1075.12 | legally relevant | according to 3.2.29 of D0_31:2023 08, 3.1.29 | software/hardware/data or part of the software/hardware/data of a measuring instrument which interferes with properties regulated by legal metrology, e.g. the accuracy of the measurement or the correct functioning of the measuring instrument <u>subject to legal control</u> | <u>Note 1: If a measuring instrument is under legal control, then the measurement data, software and parameters that are critical for the metrological characteristics, including the metrological functions, securing and protection features, and/or for the completion of the transaction, are also under legal control.</u> <u>Note 2: The relevant Recommendations define what is legally relevant and formulate requirements to those items (e.g., data, functions, securing and protection features and information for the completion of the transaction).</u> | 0318402196 |
| <u>1257.</u> | <u>legally relevant</u> | <u>according to 3.3.8 of R 126-1:2021</u> | <u>attribute of a part of a measuring instrument, device or software subject to legal control</u> <u>(OIML V 1, 4.08)</u> | | <u>03185</u> |
| <u>1258.</u> | <u>legally relevant</u> <u>[OIML D 31, 3.1.25]</u> | <u>according to 3.28 of R 142-1:2025</u> | <u>subject to legal control</u> | | <u>03718</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------------|--|--|--|--|------------|
| 1076.12 1259. | legally relevant parameter [OIML D 31, 3.1.26] | according to 3.29 of R 142-1:2025, | parameter of a measuring instrument/component, (electronic) device, software or a module subject to legal control | <i>Note:</i> The following types of legally relevant parameters can be distinguished: type-specific parameters and device-specific parameters. | 03719 |
| 1076.12 | legally relevant parameter | according to 3.2.30 of D0_31:2008 23 , 3.1.30 | parameter of a measuring instrument, electronic device, or a sub-assembly subject to legal control. The following types of legally relevant parameters can be distinguished: type-specific parameters and device-specific parameters parameter of a measuring instrument, component, and/or module(s) subject to legal control | <i>Note:</i> The following types of legally relevant parameters can be distinguished: type-specific parameters and device-specific parameters. | 0318602197 |
| 1077.12 | legally relevant parameter | according to T.2.8.1 of R0_51-1:2006, T.2.8.1 | parameter that belongs to the measuring instrument or device, and defines or fulfils functions which are subject to legal control. The following types of legally relevant parameter can be distinguished: type-specific and device-specific | (under T.2.8: Software) | 00592 |
| 1078.12 | legally relevant parameter | according to T.2.7.7.2 of R_107-1:2007, T.2.7.7.2 | parameter of a measuring instrument or a module subject to legal control. The following types of legally relevant parameters can be distinguished: type-specific parameter and device-specific parameter | | 01349 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|--|---|-----------------------|
| 1079.12 | legally relevant parameter | according to T.2.8.2 of R0_76-1:2006, T.2.8.2 | parameter of a measuring instrument or a module subject to legal control. The following types of legally relevant parameters can be distinguished: type-specific parameters and device-specific parameters | | 00933 |
| 1080.12 | legally relevant parameter | according to 0.2.8.2 of R_106-1:2011, 0.2.8.2 | parameter of a measuring instrument or a module subject to legal control the following types of legally relevant parameters can be distinguished: type-specific parameters and device-specific parameters | | 02554 |
| 1265. | legally relevant parameter | according to 3.3.6.2 of R 61-1:2017, | parameter of a measuring instrument (electronic) device, sub-assembly, software or a module subject to legal control | <i>Note:</i> The following types of legally relevant parameters can be distinguished: type-specific parameters and device-specific parameters (VIML, 4.10). | 03666 |
| 1266. | legally relevant parameter | according to 2.2.9.2 of R 150-1:2020, | parameter of a measuring instrument (electronic) device, sub-assembly, software or a module subject to legal control | <i>Note:</i> The following types of legally relevant parameters can be distinguished: type-specific parameters and device-specific parameters. | 03187 |
| 1267. | legally relevant part | according to 2.2.9.2 of R 150-1:2020, | attribute of part of a measuring instrument, a device or software subject to legal control [VIML:2013, 4.08] | | 03188 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|---|---|-------|
| 1081.12 | legally relevant software | according to T.2.7.7.1 of R_107-1:2007, T.2.7.7.1 | <p>programs, data, type specific and device specific parameters that belong to the measuring instrument or module, and that define or fulfill functions which are subject to legal control</p> <p><i>Examples of legally relevant software are: final results of the weighing including the decimal sign and the unit, identification of the weighing range and the load receptor (if several load receptors have been used).</i></p> | Examples of legally relevant software are: final results of the weighing including the decimal sign and the unit, identification of the weighing range and the load receptor (if several load receptors have been used). | 01348 |
| 1082.12 | legally relevant software | according to 0.2.8.1 of R_106-1:2011, 0.2.8.1 | <p>program, data, type-specific and device-specific parameters that belong to the measuring instrument or device, and define or fulfill functions that are subject to legal control</p> <p>examples of legally relevant software are: final results of the measurement including the decimal sign and the unit, identification of the weighing range and the load receptor(s)</p> | | 02553 |
| 1083.12 | legally relevant software | according to 2.2.8.1 of R_21:2007, 2.2.8.1 | programs, data, type-specific and device-specific parameters that belong to the taximeter, and define or fulfill functions that are subject to legal control | | 00351 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|--|------------------|
| 1084.12 | legally relevant software | according to T.2.8.1 of R0_76-1:2006, T.2.8.1 | programs, data, type-specific and device-specific parameters that belong to the measuring instrument or module, and define or fulfil functions which are subject to legal control <u>Examples: Final results of the measurement, i.e. gross, net and tare / preset tare value (including the decimal sign and the unit), identification of the weighing range and the load receptor (if several load receptors have been used), software identification.</u> | Examples: Final results of the measurement, i.e. gross, net and tare / preset tare value (including the decimal sign and the unit), identification of the weighing range and the load receptor (if several load receptors have been used), software identification. | 00932 |
| 1085.12 | legally relevant software | according to 3.31 of R0_99-1:2008, 3.31 | any part of the software, including stored parameters, which has an influence on the calculated, displayed, transmitted, or stored measurement result | | 02367 |
| 1273. | legally relevant software | according to 3.3.6.1 of R 61-1:2017, | part of the software that is subject to legal control (VIML, 6.10)¹⁰ | | 03667 |
| 1086.12 | legally relevant software part | according to 3.2.31 of D0_31:200823, 3.1.31 | part of all software modules of a measuring instrument, electronic device, or sub-assembly that is legally relevant <u>all software modules of measuring instrument or component that are subject to legal control</u> | | 02198 |

¹⁰ This term (and its definition) is not found in VIML [OIML V 1:2013 (E) or V 1-en, ed. 2000]

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|--|---|-----------------------|
| 1275. | legally relevant software part | according to 2.2.9.2 of R 150-1:2020, | part of all software modules of measuring instrument, electronic device, or sub-assembly that is legally relevant [OIML D 31, 3.1.31] | Note: Examples of legally relevant software are software involved in determining the final results of the measurement including the decimal sign and the unit, identifying the weighing range, software identification and configuration information. | 03189 |
| 1276. | legally relevant software part [OIML D 31, 3.1.27] | according to 2.30 of R 142-1:2025, | all software modules of measuring instrument/component that are subject to legal control | | 03720 |
| 1277. | length (L) | according to 2.1.1.1 of R 129-1:2020, | linear measured dimension that is oriented 90 degrees relative to the width and height | | 03190 |
| 1087.12 | lens support | according to 3.4 of R 93:1999, 3.4 | aperture on the instrument against which the lens or contact lens is placed for measurement | Note: The focimeter measures the vertex power relative to the surface placed against the lens support. | 01127 |
| 1088.12 | level sensor | according to 2.23 of R 80-1:2009, 2.23 | measuring device for the level of a liquid in a tank or compartment | | 02262 |
| 1280. | level sensor | according to 2 of R 80-2:2017, | measuring device for the level of a liquid in a tank or compartment | | 03191 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------|---|---|-------|-------|
| 1089.12 | leveling device | according to T.2.7.1 of R0_76-1:2006, T.2.7.1 | device for setting an instrument to its reference (horizontal) position | | 00918 |
| 1090.12 | levelling device | according to T.2.10.6 of R0_51-1:2006, T.2.10.6 | device for setting an instrument to its reference position | | 00609 |
| 1091.12 | line measure | according to 2.2.2 of R0_35-1:2007, 2.2.2 | length measure which has the principal scale marks formed by two lines, holes or marks | | 00368 |
| 1092.12 | line measure of length | according to 2.1 of R0_98:1991, 2.1 | a measure representing one or several values of length determined by the shortest distance between the centers of two scale marks | | 01151 |
| 1093.12 | linear range | according to 3.9 of D0_22:1991, 3.9 | the range of concentrations over which the output signal of the instrument is proportional to the concentration of the substance to within a specified percentage, for example $\pm 5-10\%$. | | 00154 |
| 1094.12 | linear range | according to 3.10 of R_113:1994, 3.10 | the range of mass flow rates or concentrations of the sample component of interest in the carrier gas over which the sensitivity of a detector remains constant within specified limits and is expressed as the ratio of its upper limit to the detection limit | | 01497 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|--|--|---|-----------------------|
| 1095.12 | linear range | according to 3.12 of R_82:2006, 3.12 | range of mass flow rate or concentration of the analyte in the carrier gas over which its sensitivity remains constant to within specified limits. It is expressed as the ratio of the upper limit of linearity and the detection limit | | 01056 |
| 1096.12 | linear range of a detector | according to 2.10 of R_112:1994, 2.10 | the range of concentrations or mass flow rates of a sample component of interest over which the sensitivity of the detector is constant to within 5 %. Its value is the ratio of the upper limit of linearity to the detection limit | | 01482 |
| 1289. | linearity error | according to 3.5.11 of R_91-1:2025, | observed error in a measurement where all influence quantities have been minimized. | Note: Typically, the linearity error is determined using a simulator in the laboratory. | 03769 |
| 1097.12 | liquid detector | according to 2.42 of R_80-1:2009, 2.42 | device intended to detect the presence of liquid in the pipework or the tank and to check, before startup and after stopping, that all or part of the measuring system is either filled completely with liquid (full hose measuring systems) or completely empty of liquid (empty hose measuring system) | Note: A liquid detector may also be used for highlevel detection. | 02281 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|--|---|--|--------------|
| <u>1291.</u> | <u>liquid detector</u> | <u>according to 2 of R 80-2:2017,</u> | <u>device intended to detect the presence of liquid in the pipework or the tank and to check, before startup and after stopping, that all or part of the measuring system is either filled completely with liquid (full hose measuring systems) or completely empty of liquid (empty hose measuring system)</u> | <u>Note: A liquid detector may also be used for highlevel detection.</u> | <u>03192</u> |
| 1098.12 | liquid height (<i>h</i>) | <u>according to 2.19 of R0_80-1:2009, 2.19</u> | distance between the free surface of the liquid and the reference point bottom, measured along the vertical measurement axis <u>(see figure 1)¹¹</u> | <u>(see figure 1)</u> | 02258 |
| <u>1293.</u> | <u>liquid height (<i>h</i>)</u> | <u>according to 2 of R 80-2:2017,</u> | <u>distance between the free surface of the liquid and the reference point bottom, measured along the vertical measurement axis (see figure 1)</u> | | <u>03193</u> |
| 1099.12 | liquid indicator | <u>according to 2.43 of R0_80-1:2009, 2.43</u> | device to indicate the presence of liquid in the pipework (e.g. sight glass) | | 02282 |
| <u>1295.</u> | <u>liquid indicator</u> | <u>according to 2 of R 80-2:2017,</u> | <u>device to indicate the presence of liquid in the pipework (e.g. sight glass)</u> | | <u>03194</u> |
| 1100.12 | liquid level | <u>according to 2.13 of R0_80-1:2009, 2.13</u> | level of the surface of the liquid, or the vapor/liquid interface in the tank | | 02252 |

¹¹ see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--------------------------------------|--|--|---|--|
| 1297. | liquid level | according to 2 of R 80-2:2017, | level of the surface of the liquid, or the vapor/liquid interface in the tank | | 03195 |
| 1101.12 | liquid level sensor | according to 3.4 of R 85-1:2008, 3.4 | element that senses the presence of the liquid surface and gives information on its level | | 02302 |
| 1299. | LNG measuring system | according to T.1.1 of R 117-1:2019, | any type of measuring system (including dispensers, road tankers, etc.) that is used for the measurement of liquefied natural gas (LNG) | | 03196 |
| 1102.13 | load, L | according to 3.1.1 of R 61-1:2001174, T.1.2 | amount of material (or object) that can be carried at any one time by specified means amount of product that currently is introducing the force on the load receptor | | 03197 00751 |
| 1301. | load, L | according to 2.1.11 of R 150-1:2020, | amount of product that is currently introducing the force on the load receptor | | 03198 |
| 1103.13 | load cell | according to T.2.2.1 of R 76-1:2006, T.2.2.1 | force transducer which, after taking into account the effects of the acceleration of gravity and air buoyancy at the location of its use, measures mass by converting the measured quantity (mass) into another measured quantity (output) [OIML R 60: 2000, 2.1.2] | <i>Note:</i> Load cells equipped with electronics including amplifier, analog-to-digital converter (ADC), and data processing device (optionally) are called digital load cells (see Figure 1). | 00897 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------|---|--|---|-------|
| 1104.13 | load cell | according to 0.2.6.1 of R_106-1:2011, 0.2.6.1 | force transducer which, after taking into account the effects of the acceleration of gravity and air buoyancy at the location of its use, measures mass by converting the measured quantity (mass) into another measured quantity (output) [OIML R 60:2000 [6]] load cells equipped with electronics containing amplifier and analogue-to-digital conversion (ADC) and data processing (optionally) are called digital load cells | | 02545 |
| 1105.13 | load cell | according to T.2.7.1 of R_51-1:2006, T.2.7.1 | force transducer which, after taking into account the effects of the acceleration of gravity and air buoyancy at the location of its use, measures mass by converting the measured quantity (mass) into another measured quantity (output) [OIML R 60:2000] | | 00585 |
| 1106.13 | load cell | according to T.2.7.1 of R_107-1:2007, T.2.7.1 | force transducer, which after taking into account the effects of the acceleration of gravity and air buoyancy at the location of its use, measures mass by converting the measured quantity (mass) into another measured quantity (output) [OIML R 60: 2000] | <u>Note:</u> Load cells equipped with electronics including amplifier, analog-to-digital converter and data processing device (optionally) are called digital load cells. | 01342 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------|--|--|-------|-------------------|
| <u>1306.</u> | <u>load cell</u> | <u>according to 3.3.11.1 of R 61-1:2017,</u> | <u>measuring transducer that will produce an output in response to an applied load. This output may be converted by another device into measurment units such as mass</u> <u>(OIML R 60, 3.1.3)</u> | | <u>03668</u> |
| 1107.13 | load cell | <u>according to 2.1.2 of R0_60-1:202100, 2.1.2</u> | force transducer which, after taking into account the effects of the acceleration of gravity and air buoyancy at the location of its use, measures mass by converting the measured quantity (mass) into another measured quantity (output) <u>measuring transducer that will produce an output in response to an applied load. This output may be converted by another device into measurment units such as mass</u> | | <u>0321000704</u> |
| <u>1108.</u> | <u>load cell error</u> | <u>R060:2000, 2.4.7</u> | difference between the load cell measurement result and the true value of the measurand (the applied force expressed in mass) [Adapted from VIM:1993, 5.20] | | <u>00734</u> |

| | | | | |
|---------|------------------|--|--|------------|
| 1109.13 | load cell family | <p>according to 3.4.2 of R0_60-1:2010, 2.2.3</p> <p>for the purposes of type evaluation/pattern approval, a load cell family consists of load cells that are of:</p> <p>the same material or combination of materials (for example, mild steel, stainless steel or aluminum);</p> <p>the same design of the measurement technique (for example, strain gauges bonded to metal);</p> <p>the same method of construction (for example, shape, sealing of strain gauges, mounting method, manufacturing method);</p> <p>the same set of specifications (for example, output rating, input impedance, supply voltage, cable details); and</p> <p>one or more load cell groups</p> <p>group of load cells which for the purposes of type evaluation are considered as one family and that are of:</p> <ul style="list-style-type: none"> a) the same material or combination of materials (for example mild steel, stainless steel or aluminum); b) the same design of the measurement technique (for example strain gauges bonded to metal); c) when used, the same principle used to attach the strain gauge to the load cell; d) the same method of construction (for example shape, sealing of strain gauges, mounting method, manufacturing method); | <p><i>Note:</i> The examples provided are not intended to be limiting.</p> | 0319900710 |
|---------|------------------|--|--|------------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|--|---|---|-------------------|
| | | | <p>e) <u>the same set of specifications (for example output rating, input impedance, supply voltage, cable details); and</u></p> <p>f) <u>one or more load cell groups where all load cells within the group possess identical metrological characteristics (as listed in 5.1.5 – including: class; n_{LC}; temperature rating, etc.).</u></p> | | |
| 1110. | load cell group | R060:2000, 2.2.3.1 | all load cells within a family possessing identical metrological characteristics (for example, class, n_{max}, temperature rating, etc.) | The examples provided are not intended to be limiting. | 00711 |
| 1111.13 | load cell interval | according to 2.5.1 of R060-1:20100, 2.3.1 | part of the load cell measuring range into which that range is divided <u>subdivision of the load cell measuring range</u> | | <u>0320000712</u> |
| 1112.13 | load cell intrinsic error | according to 3.7.9 of R060-1:20100, 2.4.8 | error of a load cell, determined under reference conditions (see 2.5.3) [Adapted from VIM:1993, 5.24] <u>error resulting from a load cel, determined under reference conditions</u> | | <u>0320100735</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|---|-----------------------|
| 1113.13 | load cell measuring range (for verification) | according to 3.5.2 of R060-1:201900, 2.3.2 | range of values of the measured quantity (mass) for which the result of measurement should not be affected by an error exceeding the maximum permissible error (mpe) (see 2.4.9) range between the maximum load of the measuring range D_{\max} and minimum load of the measuring range D_{\min} load cell measuring range = $(D_{\max} - D_{\min})$ | | 0320200713 |
| 1114.13 | load cell output | according to 3.5.3 of R060-1:201900, 2.3.3 | measurable quantity into which a load cell converts the measured input quantity (mass) | | 0320300714 |
| 1115. | load cell equipped with electronic devices | R060:2000, 2.1.3 | load cell employing an assembly of electronic components having a recognizable function of its own | Examples of electronics: p-n junction, amplifier, encoder, A/D converter, CPU, I/O interface, etc. (not including strain gauge bridge circuits). | 00705 |
| 1116.13 | load cell verification interval (v) | according to 2.3.4 of R060-1:201900, 2.3.4 | load cell interval, expressed in units of mass, used in the test of the load cell for accuracy classification | | 0320400715 |
| 1117.13 | load conveyor | according to T.2.4 of R051-1:2006, T.2.4 | device to move the loads on to and off the load receptor | | -00581 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|---|--|--|-------|
| 1315. | load for static test | according to 3.4.12 of R 61-1:2017, | load that is used in static tests only | | 03669 |
| 1118.13 | load measuring device | according to T.2.1.3 of R 76-1:2006, T.2.1.3 | part of the instrument for measuring the mass of the load by means of an equilibrium device for balancing the force coming from the load transmitting device, and an indicating or printing device | | 00895 |
| 1119.13 | load measuring device | according to T.2.3 of R 51-1:2006, T.2.3 | part of the instrument for measuring the mass of the load by means of an equilibrium device for balancing the force coming from the load transmitting device, and an indicating device | | 00580 |
| 1120.13 | load receptor | according to 0.2.4 of R 106-1:2011, 0.2.4 | part of the instrument that is intended to receive the load | <p><i>Note 1:</i> The load receptor may support all the wheels of an axle, a bogie, or a single wagon simultaneously.</p> <p><i>Note 2:</i> Two or more load receptors may be placed in series and used as a single load receptor for full-draught weighing or partial weighing (see 0.3.1.2).</p> | 02540 |
| 1121.13 | load receptor | according to T.2.1.1 of R 76-1:2006, T.2.1.1 | part of the instrument intended to receive the load | | 00893 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------|--|--|-------|-----------------------|
| 1122.13 | load receptor | according to T.2.1.1 of R_107-1:2007, T.2.1.1 | part of the instrument intended to receive the load | | 01324 |
| 1123.13 | load receptor | according to 3.3.1.1 of R_61-1:201704, T.2.1.2 | part of the instrument intended to receive the load | | 0320500763 |
| 1124.13 | load receptor | according to T.2.1 of R_51-1:2006, T.2.1 | part of the instrument intended to receive the load | | 00578 |
| 1125.13 | load receptor | according to T.2.3 of R_134:20036, T.2.1 | part of the weigh zone that is identified to receive the load and which realizes a change in the balance of the instrument when a load is placed upon it part of the weigh zone which receives the wheel loads of a vehicle and which realizes a change in the balance of the instrument when a wheel load is placed upon it | | 0320601791 |
| 1126.13 | load receptor | according to T.3.1 of R_50-1:20141997, T.3.1 | the part of the belt weigher intended to receive the load part of the instrument intended to sense the load on the belt | | 0320700488 |
| 1127.13 | load transmitting device | according to T.2.1.2 of R_76-1:2006, T.2.1.2 | part of the instrument for transmitting the force produced by the load acting on the load receptor to the load-measuring device | | 00894 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------|---|---|-------|-----------------------|
| 1128.13 | load transmitting device | according to T.2.2 of R_51-1:2006, T.2.2 | part of the instrument for transmitting the force produced by the load acting on the load receptor to the load-measuring device | | 00579 |
| 1129.13 | load transport system | according to T.2.5 of R_51-1:2006, T.2.5 | system used to transport the load over the load receptor | | 00582 |
| 1130.13 | load-measuring device | according to T.2.1.3 of R_107-1:2007, T.2.1.3 | part of the instrument for measuring the mass of the load by means of an equilibrium device for balancing the force coming from the load transmitting device, and an indicating or printing device for displaying the weighing result in units of mass | | 01326 |
| 1131.13 | load-transmitting device | according to T.2.1.2 of R_107-1:2007, T.2.1.2 | part of the instrument for transmitting the force produced by the load acting on the load receptor to the load-measuring device | | 01325 |
| 1330. | local hierarchy scheme | according to 3.30 of D 5:2022, | hierarchy scheme for given type of measuring instrument at given location, in given organisation or in a given laboratory, containing the specification of the reference and working measurement standards, their metrological characteristic and the methods and means of dissemination of units | | 03208 |
| 1132.13 | locking device | according to T.2.7.6 of R_76-1:2006, T.2.7.6 | device for immobilizing all or part of the mechanism of an instrument | | 00929 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|-----------------------|
| 1133-13 | long term storage of measurement data | according to T.2.8.5 of R0_76-1:2006, T.2.8.5 | storage used for keeping measurement data ready after completion of the measurement for later legally relevant purposes (e.g. conclusion of a trading transaction at a later date, when the customer is not present for the determination of the amount, or for special applications identified and legislated by the state) | | 00936 |
| 1134-13 | longitudinal axis and pitch angle | according to 2.27 of R0_80-1:2009, 2.27 | symmetry axis of the tank parallel to the main direction of travel, when the tank is in normal position. The vertical angle by which this axis is rotated is referred to as the pitch angle. It is positive if the front part of the tank is lifted | | 02266 |
| 1334. | longitudinal axis and pitch angle | according to 2 of R 80-2:2017, | symmetry axis of the tank parallel to the main direction of travel, when the tank is in normal position. The vertical angle by which this axis is rotated is referred to as the pitch angle. It is positive if the front part of the tank is lifted | | 03209 |
| 1135-13 | loose material | according to T.1.4 of R0_51-1:2006, T.1.4 | material which is not packaged during and/or after the weighing process. The material may be collected for weighing in the load receptor of the instrument (e.g. front-end loader) or in a separate container (garbage weigher) | | 00567 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|--|-------|
| 1136.13 | lot (of measuring instruments) | according to 1.2.10 of D0_20:1988, 1.2.10 | the set of all the measuring instruments of the same type produced in a single production run | <i>Note:</i> A part of a lot, as defined above, contained in a single shipment is sometimes also referred to as a lot. | 00144 |
| 1137.13 | lower limit of accurate capacity | according to 3.14 of R0_71:2008, 3.14 | capacity below which the maximum permissible error is exceeded, taking account of the shape of the tank and the calibration method | | 02238 |
| 1138.13 | lower limit of measuring range (P_{\min}) | according to 2.1.1.2 of R_110:1994, 2.1.1.2 | the minimum pressure to be measured | | 01419 |
| 1139.13 | magnetic permeability | according to 2.9.4 of R_111-1:2004, 2.9.4 | $\mu_0 = 4 \pi \times 10^{-7} \text{ N A}^{-2}$ | | 01455 |
| 1140.13 | magnetic constant (magnetic permeability of vacuum (μ_0)) | according to 2.9.5 of R_111-1:2004, 2.9.5 | parameter of a magnetic dipole. The magnetic field strength generated by a dipole, also the force between the dipole and a magnetized sample, is proportional to this dipole moment. The force between the dipole and a sample having a magnetic susceptibility is proportional to the square of the dipole moment | | 01451 |
| 1141.13 | magnetic dipole moment (md) | according to 2.9.1 of R_111-1:2004, 2.9.1 | local magnetic intensity, generated by magnetic material, such as a permanent magnet, or by electrical circuits | | 01452 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|--|-----------------------|
| 1142.13 | magnetic field strength (H) | according to 2.9.2 of R_111-1:2004, 2.9.2 | force produced on magnetic or magnetically susceptible material by external magnetic fields | | 01453 |
| 1143.13 | magnetic force (F_1 , F_2 , F_a , F_b , F_c and F_z) | according to 2.9.3 of R_111-1:2004, 2.9.3 | measure of the ability of a medium to modify a magnetic field | | 01454 |
| 1144.13 | magnetism | according to 2.9 of R_111-1:2004, 2.9 | effect that generates an attractive or repulsive force | | 01450 |
| 1345. | magnifying viewfinder | according to 3.4.15 of R_91-1:2025, | visual aid to magnify a target by a specified factor and to aim the measurement beam at the target | Note: It is to be used with handheld speed meters. | 03770 |
| 1145.13 | main scale | according to 3.5 of R_133:2002, 3.5 | scale graduated in appropriate units, covering the working temperature range of the thermometer | | 01778 |
| 1146.13 | main scale marks | according to 2.4 of R_98:1991, 2.4 | the scale marks whose distance apart represents the total length or the most important length of the line measure | | 01154 |
| 1147.13 | mains power | according to 3.37 of R_99-1:2008, 3.37 | primary external source of electrical power for the instrument, including all sub-assemblies. (Examples: public power network (AC or DC), generator, external battery or other DC supply systems) [adapted from OIML D 11:2004, 3.21] | | 02373 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|---|---|-----------------------|
| 1349. | mains power | according to A.1.13 of R 60:2021 - Annexes | primary external source of electrical power for an instrument, including all sub-assemblies. (Examples: public or local power grid (AC or DC) or external generator | | 03211 |
| 1148.13 | mains power mains | according to 3.22 of D 011:2013, 3.22 | primary external source of electrical power for an instrument, including all sub-assemblies Examples: Public or local power grid (AC or DC) or external generator. | Examples: Public or local power grid (AC or DC) or external generator. | 02247 |
| 1149. | maintenance mode | R126:2012, 2.9 | mode in which the breath alcohol analyzer can be adjusted and is subject to metrological control | | 02635 |
| 1351. | mandatory periodoc verification | according to 3.1.7 of R 126-1:2021, | subsequent verification of a measuring instrument, carried out periodically at specified intervals according to the procedure laid down by the regulations | | 03212 |
| 1352. | manometr | according to 2.6 of R 148-1:2020, | instrument used to measure and display pressure | | 03213 |
| 1353. | manometr | according to 2.6 of R 149-1:2020, | instrument used to measure and display pressure | | 03214 |
| 1150.13 | manual adjustment facility | according to 3.7 of R 99-1:2008, 3.7 | facility allowing the adjustment of the instrument by the user | | 02339 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|---|--|-----------------------|
| 1355. | manual measurement | according to 3.1.9 of R 91-1:2025. | speed measurement triggered by user interaction | | 03774 |
| 1356. | manual refractometers with automated indication (type II refractometers) | according to 3.3 of R 142-1:2025. | instrument in which the test sample is supplied to the device manually, the indication being displayed or printed | <p>Note: Type II refractometers shall be equipped with:</p> <ul style="list-style-type: none"> • an automatic temperature correction device; • a primary indicating device; • zero-setting and zero-checking devices. | 03721 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|--------------|
| <u>1357.</u> | <u>manual refractometers (type III refractometers)</u> | <u>according to 3.4 of R 142-1:2025,</u> | <u>instrument in which the test sample is supplied to the device manually, the indication are visible through an eye-piece and cannot be seen by all interested parties simultaneously. The result is obtained by seeking the graduation line that coincides with the line which separates the clear zone from the dark zone</u> | <p><u>Note: Type III refractometers shall meet the following main provisions:</u></p> <ul style="list-style-type: none"> <u>they shall use the phenomenon of light refraction, which is the only method that guarantees sufficient readability on this type of instrument;</u> <u>they shall be equipped with a built-in thermometer, so as to allow temperature corrections.</u> | <u>03722</u> |
| 1151.13 | manufacturer | <u>according to 2.16 of D0_16:2011, 2.16</u> | any natural or legal person who manufactures a product or has a product designed or manufactured, and markets that product under his name or trademark | | 02269 |
| 1152.13 | manufacturer | <u>according to 2.17 of D00_9:2004, 2.17</u> | business responsible for designing and manufacturing a measuring instrument or a pre-packaged product with a view to placing it lawfully on the market nationally or within a free trade area, on its own behalf | <u>Note:</u> The instrument or other product can be produced by another business but it shall be placed on the market by and under the full responsibility of the manufacturer. | 00199 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------|---|---|-------|-------|
| 1153.13 | manufacturer | according to 3.16 of R_131:2001, 3.16 | producer of the PMMA dosimeter to be evaluated unless the term is otherwise specified | | 01757 |
| 1154.13 | manufacturer | according to 3.16 of R_132:2001, 3.16 | producer of the PMMA dosimeter to be evaluated unless the term is otherwise specified | | 01773 |
| 1155.13 | manufacturer | according to 4.17 of R_127:1999, 4.17 | the producer of the radiochromic film dosimeter to be evaluated, unless the term is otherwise specified | | 01691 |
| 1156.13 | manufacturer's representative | according to 2.18 of D00_9:2004, 2.18 | any business designated by the manufacturer to act on its behalf for specified tasks | | 00200 |
| 1157.13 | manufacturer's representative | according to 2.17 of D0_16:2011, 2.17 | any natural or legal person designated by the manufacturer to act on his behalf for specified tasks | | 02270 |

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|--------------------|---------------------|--|---|--|-------|
| 1158.13 | market surveillance | according to 3.1.12 of D001:2012, 3.1.12 | <p>form of metrological supervision aimed at measuring instruments and prepackages intended to be placed on the market and/or put into service for the first time, to ensure that all the elements of the conformity assessment system function correctly, resulting in general compliance of the products with the provisions of the applicable regulations across a country or free trade area</p> <p>[OIML D 16, 2.23]</p> | <p><i>Note 1:</i> In the above definition the words “to be placed on the market and/or put into service” should be applied to describe different situations as follows:</p> <p>“to be placed on the market”: should be used in the case when all the relevant conformity assessment procedures are to be finalized before measuring instruments or prepackages are put into service;</p> <p>“to be placed on the market and put into service”: one or more conformity assessment procedures may be or have to be carried out when measuring instruments are put into service;</p> <p>“put into service”: to describe the situation when a manufacturer manufactures a measuring instrument to be used (it is not necessary to place it on the market).</p> <p><i>Note 2:</i> Market surveillance is exerted by enforcement authorities for the purpose of detecting whether products placed on the national market (i.e. sold or offered for sale) fail to comply with the regulations that apply to them.</p> | 02212 |
|--------------------|---------------------|--|---|--|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--|------|--|------------|---|----|
| | | | | <i>Note 3:</i> This must be distinguished from “field surveillance” which consists in a surveillance by enforcement authorities, that instruments in use in marketplaces (in the field) do comply with the requirements that apply to them (required characteristics, integrity, accuracy, proper use). | |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|---|---|---|-------|
| 4159.13 | market surveillance | according to 2.23 of D_016:2011, 2.23 | form of metrological supervision aimed at measuring instruments and prepackages intended to be placed on the market and/or put into service for the first time, to ensure that all the elements of the conformity assessment system function correctly, resulting in general compliance of the products with the provisions of the applicable regulations across a country or free trade area | <p><i>Note:</i> In the above definition the words “to be placed on the market and/or put into service” should be applied to describe different situations as follows:</p> <p>“to be placed on the market”: should be used in the case when all the relevant conformity assessment procedures are to be finalized before measuring instruments or prepackages are put into service;</p> <p>“to be placed on the market and put into service”: one or more conformity assessment procedures may be or have to be carried out when measuring instruments are put into service;</p> <p>“put into service”: to describe the situation when a manufacturer manufactures a measuring instrument to be used (it is not necessary to place it on the market)</p> | 02276 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------|--|--|---|-------|
| 1160:13 | marketsurveillance | according to 2.26 of D009:2004, 2.26 | form of metrological supervision aimed at a measuring instrument and prepackage which is placed on the market and/or put into service for the first time, to ensure that all the elements of the conformity assessment system work properly and result in general compliance of the products with the provisions of the applicable regulations across a country or free trade area | <p><u>Note:</u> In the above definition the words “placed on the market and/or put into service” should be applied to describe different situations as follows:</p> <p>“placed on the market”: should be used in the case when all the relevant conformity assessment procedures are finalized before a measuring instrument or prepackage is put into service;</p> <p>“placed on the market and put into service”: one or more conformity assessment procedure(s) may be or have to be carried out when a measuring instrument is put into service;</p> <p>“put into service”: to describe the situation when a manufacturer manufactures a measuring instrument to be used by itself (it is not necessary to place it on the market).</p> | 00208 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|---|--|-----------------------|
| 1368. | marking | according to 3.1.4 of R 60-1:2021, | affixing of one or more marks [VIML 2.19] | (For notes, refer to the VIML) | 03215 |
| 1161. | mass | R061-1:2004, T.1.1 | quantity of matter in any solid object or in any volume of liquid or gas | | 00750 |
| 1369. | mass flow rate, Q_m | according to 2.3.5 of R 150-1:2020, | mass of product which passes per unit of time | | 03400 |
| 1370. | mass flow rate device | according to 2.2.13 of R 150-1:2020, | device which regulates the rate of infeed mass flow | | 03216 |
| 1371. | mass flowrate indicating device | according to 2.4.2.2 of R 150-1:2020, | device that indicates the instantaneous flowrate either as the mass of the product conveyed in unit of time or as a percentage of the maximum mass flowrate | | 03217 |
| 1162.13 | mass measurement transducer | according to T.4 of R 125:1998, T.4 | a device which measures a quantity related to the mass of the liquid and which provides a signal to the processor from which the mass is determined | | 01618 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|--|-------|------------------|
| 1163.13 | mass measuring instrument | according to T.1 of R_125:1998, T.1 | a measuring instrument which determines and indicates the mass of liquid contained in a calibrated tank. The instrument includes devices such as a measurement transducer (or transducers) which measures a quantity related to the mass of the liquid, a processor and an indicator | | 01615 |
| 1164.13 | mass measuring system | according to T.2 of R_125:1998, T.2 | a system which comprises the measuring instrument, the calibrated tank and any ancillary and/or additional devices | | 01616 |
| 1165.13 | mass spectrum | according to 3.8 of R0_83:2006, 3.8 | either a graphical or tabular presentation form of the measured mass-to-charge (m/z) ratios of separated ions and corresponding intensities of these ratios | | 01068 |
| 1166. | master meter | R105:1993, T.2 | a working standard, traceable to national standards, used for the verification of a direct mass flow instrument | | 01212 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|----------------------------------|---|--|--|-----------------------|
| 1376. | material measure | according to 3.12 of D 5:2022, | <p>measuring instrument reproducing or supplying, in permanent manner during its use, quantities of one or more given kinds, each with an assigned quantity value</p> <p>[VIM, 3.6]</p> <p>Examples: Standard weight, volume measure (supplying one or several quantity values, with or without a quantity-value scale), standard electric resistor, line scale (ruler), gauge block, standard signal generator, certified reference material.</p> | <p>Note 1: The indication of material measure is its assigned quantity value.</p> <p>Note 2: A material measure can be a measurement standard.</p> | 03218 |
| 1377. | material measure | according to 3.12 of D 10:2022, | <p>measuring instrument reproducing or supplying, in permanent manner during its use, quantities of one or more given kinds, each with an assigned quantity value</p> <p>(VIM, 3.6)</p> <p>Examples: Standard weight, volume measure (supplying one or several quantity values, with or without a quantity-value scale), standard electric resistor, line scale (ruler), gauge block, standard signal generator, certified reference material.</p> | <p>Note 1: The indication of material measure is its assigned quantity value.</p> <p>Note 2: A material measure can be a measurement standard.</p> | 03219 |
| 1167.13 | material measure of length | according to 2.1.1 of R0_35-1:2007, 2.1.1 | material measure provided with scale marks, the distances between which are indicated in legal units of length | | 00362 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|---|---|-------|----------------------------|
| 1168.13 | material test | according to 3.7.1 of R061-1:2017004, T.6.1 | test carried out on a complete filling instrument using the type of material which it is intended to weigh test carried out on a complete AGFI using the type of material which it is intended to weigh | | 0322000814 |
| 1169.13 | material test | according to T.6.1 of R107-1:2007, T.6.1 | test carried out on a complete instrument using the type of material that it is intended to weigh | | 01402 |
| 1170.13 | material test | according to T.6.1 of R136-1:2004, T.6.1 | test carried out on a complete leather-measuring instrument using the type of leather material which it is intended to measure | | 01921 |
| 1171. | material test | R050-1:1997, T.7.1 | a test carried out on a complete belt weigher using the type of material that it is intended to weigh | | 00535 |
| 1172.13 | material testing machine | according to 3.1 of R065:2006, 3.1 | device (or assembly of devices) for testing material specimens to determine one or more of their mechanical properties. The device (or assembly of devices) may be in a fixed location or portable | | 00818 |
| 1173.13 | maximum admissible pressure MAP | according to 3.3.9 of R049-1:202413, 3.3.9 | maximum internal pressure that a meter can withstand permanently, within its <i>rated operating condition(s)</i> (3.4.4), without deterioration of its metrological performance | | 02415 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|--|---|--|------------------------|
| 1174.13 | maximum admissible temperature MAT | according to 3.3.8 of R0_49-1:2024 <u>13, 3.3.8</u> | maximum water temperature that a meter can withstand permanently, within its <i>rated operating condition(s)</i> (3.4.4), without deterioration of its metrological performance | <i>Note:</i> MAT is the upper of the rated operating conditions for temperature. | 02414 |
| 1175.13 | maximum area (A_{\max}) | according to T.3.3 of R_136-1:2004, T.3.3 | highest value of the marked range on the indicator for an analogue display. Nominally the highest value that can be detected by the digital indicator plus one scale interval for electronic displays | | -01901 |
| 1176.13 | maximum capacity (E_{\max}) | according to 3.5.5 of R0_60-1:2021 <u>00, 2.3.5</u> | largest value of a quantity <u>expressed in units of (mass)</u> , which may be applied to a load cell without exceeding the mpe (see 2.4.9). | | 03221-00716 |
| 1177.13 | maximum capacity (Max) | according to T.3.1.1 of R0_76-1:2006, T.3.1.1 | maximum weighing capacity, not taking into account the additive tare capacity | | 00940 |
| 1178.13 | maximum capacity (Max) | according to T.3.2.1 of R_134-1:2003, T.3.2.1 | largest load that an instrument is designed to weigh in motion without totalizing | | 01809 |
| 1179.13 | maximum capacity (Max) | according to 2.3.4 of R0_50-1:2014 <u>1997, T.4.4</u> | the maximum instantaneous net load that the weighing unit is intended to weigh on the portion of the conveyor belt representing the weigh length <u>maximum net load (load applied by the bulk product, not including load applied by the belt) that the weighing module is intended to weigh on the portion of the conveyor belt representing the weigh length</u> | | 0322200518 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------------|---|---|-------|-----------------------------|
| 1180.13 | maximum capacity, (Max) | according to T.3.4.8 of R0_61-1:2017 04, T.3.8 | largest discrete load that can be weighed automatically on the load receptor of the filling instrument largest discrete load that can be weighed automatically on a load receptor of the AGFI | | 03223-00790 |
| 1181.13 | maximum capacity, Max | according to T.3.1.1 of R0_51-1:2006 , T.3.1.1 | maximum weighing capacity, not taking into account the additive tare capacity | | 00623 |
| 1182.13 | maximum capacity, Max | according to 0.3.2.1 of R_106-1:2011 , 0.3.2.1 | maximum permissible wagon mass. | | 02584 |
| 1183.13 | maximum capacity, Max | according to T.3.3.1 of R_107-1:2007 , T.3.3.1 | largest discrete load that can be weighed automatically | | 01362 |
| 1394. | maximum capacity, Max | according to 2.3.4 of R 150-1:2020, | maximum force that the force receptor is intended to measure | | 03401 |
| 1184.13 | maximum current (I_{\max}) | according to 2.2.5 of R0_46-1:2012 , 2.2.5 | highest value of current at which the meter is specified by the manufacturer to meet the accuracy requirements | | 02304 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|--|---|-------|----------------------------|
| 1185.13 | maximum device | according to 2.4 of R_115:1995, 2.4 | a maximum device is the component of a thermometer that monitors over a specified time the temperature measured by a probe in contact with a body cavity or tissue, after which it indicates the maximum temperature and maintains the indication until reset by the user | | 01512 |
| 1186.13 | maximum dimension (M_{\max}) | according to 2.2.5 of R_129-1:202000, 2.15 | the maximum measurable dimension for each axis as specified by the manufacturer for the measuring instrument | | 0322401714 |
| 1398. | maximum fill, Maxfill | according to 3.4.10 of R 61-1:2017, | maximum possible fill to the instrument related to a specific product | | 03670 |
| 1187. | maximum flow rate | R105:1993, T.10 | the highest flow rate at which the measuring system is required to meet the applicable maximum permissible errors | | 01220 |
| 1188.13 | maximum flow rate, Q_{\max} | according to 3.3.2 of R_137:2012, 3.3.2 | highest flow rate at which a gas meter is required to operate within the limits of its maximum permissible error, whilst operated within its rated operating conditions | | 02680 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|-------|-----------------------|
| 1189.14 | maximum flowrate (Q_{\max}) | according to 2.3.6.1 of R0_50-1:2014 1997, T.4.5.1 | the flowrate obtained with the maximum capacity of the weighing unit and the maximum speed of the belt flowrate obtained with the maximum capacity of the weighing module and the maximum speed of the belt | | 0322500519 |
| 1190.14 | maximum flowrate of the measuring system Q_{\max} | according to T.2.9 of R_140:2007, T.2.9 | flowrate equal to the sum of the flowrates of all the meters in parallel branches (where appropriate) forming the system when one of these meters reaches its maximum flowrate under the specified conditions of use, all meters being in use | | 02075 |
| 1191.14 | maximum load of the measuring range (D_{\max}) | according to 2.3.6 of R0_60-1:2021 00, 2.3.6 | L argest value of a quantity expressed in the units of (mass) which can be is appliedintroduced to a load cell underduring test or use. This value shall not be greater than E_{\max} (see 2.3.5). For the limits on D_{\max} during testing, see A.3.2.4 | | 0322600717 |
| 1192.14 | maximum load per unit length of the belt | according to 2.3.8.1 of R0_50-1:2014 1997, T.4.7 | the quotient of the maximum capacity of the weighing unit and the weigh length quotient of the maximum capacity of the weighing module and the weigh length | | 0322700522 |
| 1404. | maximum mass flowrate, $Q_{m_{\max}}$ | according to 2.3.5.1 of R 150-1:2020 | mass flowrate obtained at the maximum capacity of the force receptor | | 03402 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|---|--|--|----------------------------|
| 1193.14 | maximum measured quantity | according to T.16 of R_125:1998, T.16 | the maximum measurable quantity as specified by the manufacturer of the measurement transducer (for testing of devices) or of the calibrated tank for installed instruments | | 01632 |
| 1406. | maximum measuring range | according to 2.5.7 of R 60-1:2021, | range of values of the quantity expressed in units of mass that may be applied to a load cell | <i>Note:</i> maximum measuring range is the reange between maximum capacity E_{\max} and minimum dead load E_{\min} maximum measuring range = $(E_{\max} - E_{\min})$ | 03228 |
| 1407. | maximum measuring speed (V_{\max}) | according to 2.1.9 of R 129-1:2020 | maximum speed at which the instrument will measure correctly | <i>Note:</i> Only applicable to instruments where measurements are affected by means of relative movement between the object and the instrument. | 03242 |
| 1194.14 | maximum number of load cell verification intervals ($n_{LC\max}$) | according to 2.5.8 of R_60-1:202100, 2.3.7 | maximum number of load cell verification intervals into which the load cell maximum measuring range may be divided for which the result of measurement shall not be affected by an error exceeding the mpe (see 2.4.9) | | 0322900718 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|----------------------------|
| 1195.14 | maximum operating speed (v_{max}) | according to T.3.4.1 of R_134:2003, T.3.4.1 | greatest velocity of a vehicle that the instrument is designed to weigh in motion and above which the weighing results may be subject to an excessive relative error | | 01814 |
| 1196.14 | maximum operating speed, v_{max} | according to 0.3.4.1 of R_106-1:2011, 0.3.4.1 | greatest velocity of a wagon that the instrument is designed to weigh in-motion and above which the weighing result may be subject to an excessive relative error | | 02589 |
| 1197.14 | maximum permissible deviation | according to T.4.4 of R_136-1:2004, T.4.4 | maximum deviation of the mean area of the leather from the true area of the leather | | 01907 |
| 1198.14 | maximum permissible deviation of each fill, (MPD) <u>mpd</u> | according to 3.5.2.4.1 of R_061-1:201704, T.4.2.4.1 | maximum permissible deviation of each fill from the average value of all the fills of a test sequence | | 0323000802 |
| 1199.14 | maximum permissible errors | according to 3.13 of R_131:2001, 3.13 | extreme values of an error permitted by specifications, regulations, etc. for a given measuring instrument | | 01754 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|--|-------|----------------------------|
| 1200.14 | maximum permissible error | according to 3.1.5 of R_139-1:2022 14 , 3.1.5 | extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system [OIML V2-200:2012, 4.26] [OIML V1:2013, 0.05] | | 0323102704 |
| 1201.14 | maximum permissible error | according to 2.1 of R_24:1975 , 2.1 | maximum error, positive or negative, allowed on Verification Officers' metre standard on initial or subsequent verification when compared at the reference temperature of 20—°C with the corresponding standard of length of higher accuracy (in the statutory hierarchy of standards), assuming that this standard of higher accuracy has a negligible error for the purpose of this comparison | | 00361 |
| 1202.14 | maximum permissible error | according to T.e.4.3 of R_117-1:2019 07 , T.e.4.3 | extreme value for an error permitted by this Recommendation—— | | 0323201561 |
| 1203.14 | maximum permissible error | according to 3.29 of R_85-1:2008 , 3.29 | extreme permitted value by the present Recommendation for the error of indication | | 02327 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|--|-----------------------|
| 1204.14 | maximum permissible error ₂ (mpe (MPE)) | according to 3.5.2.4 of R0_61-1:2017 04 , T.4.2.4 | extreme value of an error permitted by specifications or regulations between the indication of a weighing instrument and the corresponding true value, as determined by reference standard masses, at zero or no load, in the reference position [based on VIM:1993, 5.21] extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system (VIM, 4.26) | <i>Note 1:</i> Usually, the term “maximum permissible errors” or “limits of error” is used where there are two extreme values. <i>Note 2:</i> The term “tolerance” should not be used to designate ‘maximum permissible error’. | 0323300801 |
| 1205.14 | maximum permissible error (mpe) | according to 4.9.5 of R0_75-1:2002 , 4.9.5 | extreme values of the error (positive or negative) permitted by this Recommendation [adapted from VIM:1993, 5.21]. | | 00863 |
| 1206.14 | maximum permissible error (MPE) | according to 3.2.8 of R_137:2012 , 3.2.8 | extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system [VIM 4.26] | | 02664 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|--|--|-------------------------------|-----------------------|
| 1207.14 | maximum permissible error (mpeMPE) | according to 3.7.10 of R_60-1:2021 00 , 2.4.9 | extreme values of an error permitted by this Recommendation (refer to clause 5) for a load cell [Adapted from VIM:1993, 5.21] extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for given measurement, measuring instrument, or measuring system [VIM 4.26] | (for notes, refer to the VIM) | 0323400736 |
| 1208.14 | maximum permissible error (MPE) | according to T.4.3 of R_136-1:2004, T.4.3 | extreme value of an error permitted by specifications or regulations between the indication of a measuring instrument and the corresponding true value [VIM:1993, 5.21] | | 01906 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|--|-------|
| 1209.14 | maximum permissible error (MPE) limit of error {maximum permissible measurement error} | according to 2.1.Tab. 1.4 of R_146-1:2016, 1.4 | {extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system [VIM 4.26]} | <p>{NOTE 1 Usually, the term “maximum permissible errors” or “limits of error” is used where there are two extreme values.</p> <p>NOTE 2 The term “tolerance” should not be used to designate ‘maximum permissible error’.</p> <p>The MPE and other limits for tests on the type of instrument and various grain calibrations are listed in Błąd! Nie można odnaleźć źródła odwołania.; Błąd! Nie można odnaleźć źródła odwołania..</p> | 02785 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|---|-------|
| 1210.14 | maximum permissible error (MPE) (maximum permissible error, limit of error) [VIM 4.26] | according to 3.9 of R_142-1:202508, 2.4 (annex 6) | extreme value of the measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system | <p><u>3.10 Note 1: Usually the term “maximum permissible errors” or “limits of error are used, where there are two extreme values.</u></p> <p><u>Note 2: The term “tolerance should not be used to designate “maximum permissible error”.</u></p> <p><u>Additional note: Maximum permissible errors for type approval and initial verification and verification after repair of refractometer are defined in 5.2.1.</u></p> <p><u>Maximum permissible errors for refractometer in service are defined in 5.2.2.</u></p> | 02119 |
| 1211.14 | maximum permissible error (mpe) | according to T.2.6 of R_140:2007, T.2.6 | extreme values permitted by this Recommendation for an error [adapted from VIM:2007, 4.26] | | 02072 |
| 1212.14 | maximum permissible error (mpe) | according to 3.9 of R_65:2006, 3.9 | maximum value of the error permitted by laws, regulations, or specifications for a given measuring instrument | | 00826 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---|---|---|---|----------------------------|
| 1427. | maximum permissible error (mpe) | according to 2.3.4 of R 129-1:2020, | extreme value (positive and negative) of the error of indication permitted by specifications, Recommendations, regulations, etc. [adapted from VIM 4.26] | Note: The absolute value of the mpe is the same value without sign. | 03235 |
| 1428. | maximum permissible error (mpe) | according to 2.4.5.6 of R 150-1:2020, | extreme value of an error permitted by specifications, regulations, etc. for a given instrument [VIML:2013 0.05] | | 03236 |
| 1213.14 | maximum permissible error (of a measuring instrument) | according to T.25 of R 125:1998, T.25 | the extreme values of an error permitted by specifications, regulations, etc. for a given measuring instrument [VIM:1993, 5.21] | | 01642 |
| 1214.14 | maximum permissible error (of a measuring instrument) | according to 3.2.32 of D 31:202308, 3.1.32 | extreme value of measurement error an error , with respect to a known reference quantity value, permitted by specifications, or regulations, etc. for a given measurement , measuring instrument, or measuring system adapted from [OIML V 1:2022, 0.05 VIM:1993, 5.21; OIML D11:2004, 3.6] | | 0323702199 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|-------|-------|
| 1215.14 | maximum permissible error (of a measuring instrument) | according to 3.7 of D0_11:2013, 3.7 | extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system [VIM 4.26] | | 02221 |
| 1216.14 | maximum permissible error (of a measuring instrument); limits of permissible error (of a measuring instrument) | according to 2.36 of R_135:2004, 2.36 | extreme value of an error permitted by specifications, regulations, etc. for a given measuring instrument [VIM, 5.21] | | 01875 |
| 1217.14 | maximum permissible error (of a Rockwell hardness machine) | according to 2.12 of R0_39:2006, 2.12 | extreme value of error in a measured Rockwell hardness value permitted by specifications, regulations, etc., such as this Recommendation, for a given Rockwell hardness machine | | 00390 |
| 1218.14 | maximum permissible error (δm or mpe) | according to 2.10 of R_111-1:2004, 2.10 | maximum absolute value of the difference allowed by national regulation, between the measured conventional mass and the nominal value of a weight, as determined by corresponding reference weights | | 01458 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|------------------|
| 1219. | maximum permissible error for influence factor tests | R061-1:2004, T.4.2.4.3 | maximum permissible error for influence quantity values | | 00804 |
| 1220.14 | maximum permissible error MPE | according to 3.2.5 of R049-1:202413, 3.2.5 | extreme value of measurement <i>error</i> (3.2.4), with respect to a known reference quantity value, permitted by specifications or regulations for a given meter [SOURCE: ISO/IEC Guide 99:2007/OIML V 2-200:2012 (VIM) [4] , 4.26, [1] , modified — “meter” replaces “measurement, measuring instrument, or measuring system”; original notes removed .] | | 02397 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------------|--|--|---|-------|
| 1221.14 | maximum permissible error mpe | according to 2.2.18 of R046-1:2012, 2.2.18 | extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument or measuring system | <p><i>Note 1:</i> Usually, the term “maximum permissible errors” or “limits of errors” is used where there are two extreme values.</p> <p><i>Note 2:</i> The term “tolerance” should not be used to designate “maximum permissible error”.</p> <p>[OIML V 2-200:2012, 4.26]</p> <p><i>Note 3:</i> In this Recommendation, the maximum permissible error is a combination of the base maximum permissible error and the maximum permissible error shift as described in Annex B.</p> <p>Błąd! Nie można odnaleźć źródła odwołania.</p> <p><i>Note 4:</i> For the application of this Recommendation, “specifications or regulations” means: the provisions contained in this Recommendation, and the terms “measuring instrument” and “measuring system” mean: electricity meter.</p> | 02317 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|---|---|--|-------|
| 1222.14 | maximum permissible error shift | according to 2.2.19 of R_46-1:2012, 2.2.19 | extreme value of the change in error of indication of a meter, permitted by this Recommendation, when a single influence factor is taken from its value at reference conditions and varied within the rated operating conditions | <p><i>Note 1:</i> For each influence factor there is one corresponding maximum permissible error shift.</p> <p><i>Note 2:</i> In this Recommendation, the maximum permissible error is a combination of the base maximum permissible error and the maximum permissible error shift as described in Annex B.</p> <p>Błąd! Nie można odnaleźć źródła odwołania.</p> | 02319 |
| 1223.14 | maximum permissible error, mpe | according to 0.4.4.4 of R_106-1:2011, 0.4.4.4 | <p>extreme value of an error permitted by specifications or regulations between the indication of a weighing instrument and the corresponding true value, as determined by reference standard masses or standard weights, with the instrument being at zero and no load, in the reference position</p> <p>[Adapted from VIM 5.21]</p> | | 02610 |
| 1224.14 | maximum permissible error, mpe | according to T.5.5.4 of R_76-1:2006, T.5.5.4 | maximum difference, positive or negative, allowed by regulation between the indication of an instrument and the corresponding true value, as determined by reference standard masses or standard weights, with the instrument being at zero at no-load, in the reference position | | 00980 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|---|---|-----------------------|
| 1225.14 | maximum permissible error, MPE | according to T.4.3.7 of R_51-1:2006, T.4.3.7 | extreme value of an error permitted by specifications, regulations, etc. for a given instrument [VIM:1993, 5.21] | | 00660 |
| 1441. | maximum permissible error / MPE (OIML V 1 [1], 0.05) | according to 3.5.2 of R 91-1:2025, | extreme value of error of indication, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system | Note: The unit of the error of indication and of the MPE can be either absolute (e.g. km/h) or relative (e.g. %). Error values in relative units given in this recommendation are always relative to the absolute value of the reference (not to the value of the device under test or to any other value). | 03771 |
| 1226.14 | maximum permissible error, mpe | according to 4.5.8 of R_107-1:2007, 4.5.8 | extreme values of an error permitted by specifications, regulations, etc. for a given instrument [VIM: 1993, 5.21] | | 01394 |
| 1227.14 | maximum permissible errors | according to 2.4.5 of R_110:1994, 2.4.5 | the maximum allowed difference (either positive or negative) between the pressure balance indication and the corresponding (conventional) true value of the measured pressure | | 01433 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|------------------|
| 1228.14 | maximum permissible errors | according to 3.13 of R_132:2001, 3.13 | extreme values of an error permitted by specifications, regulations, etc. for a given measuring instrument | | 01770 |
| 1229.14 | maximum permissible errors | according to 4.14 of R_127:1999, 4.14 | extreme values of an error permitted by specifications, regulations, etc. for a given measuring instrument | | 01688 |
| 1230. | maximum permissible errors (mpe) | R129:2000, 2.26 | the extreme values (positive and negative) of the error of indication permitted by specifications, Recommendations, regulations etc. The absolute value of the mpe is the same value without sign [adapted from VIM:1993, 5.21] | | 01725 |
| 1231.14 | maximum permissible errors (MPEs) | according to 3.9 of R_133:2002, 3.9 | extreme values of an error permitted by specifications, regulations, etc. for a given liquid-in-glass thermometer. | | 01782 |
| 1232.14 | maximum permissible measurement error | according to 1.1.4 of R_147:2016, 1.1.4 | extreme value of a measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system [OIML V2-200:2012; 0.05] [2] | | 02820 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|---|-------|
| 1233-14 | maximum permissible measurement error (MPE) maximum permissible error limit of error) | <u>according to 2.1.5 of R0_59-1:2016, 2.1.5</u> | extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system [VIM 4.26] | <p><i>Note 1:</i> Usually the term “maximum permissible errors” or “limits of error” are used, where there are two extreme values.</p> <p><i>Note 2:</i> The term “tolerance” should not be used to designate “maximum permissible error”.</p> <p><i>Additional note:</i> The MPEs in <u>4.4.2</u> Błąd! Nie można odnaleźć źródła odwołania. of this Recommendation are errors associated with a meter in use in the market place. The errors for the OIML test procedures are based on <u>4.4.1</u>. Błąd! Nie można odnaleźć źródła odwołania.</p> | 02446 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|---|-------------------|
| 1449. | <u>maximum permissible measurement error</u> <u>maximum permissible error</u> <u>limit of error</u> | <u>according to 3.22 of D 5:2022,</u> | <u>extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system</u> <u>[VIML, 0.05]</u> | <u>Note 1: Usually the term “maximum permissible errors” or “limits of error” are used, where there are two extreme values.</u> <u>Note 2: the term “tolerance” should not be used to designate ‘maximum permissible error’.</u> <u>[OIML V2-200:2012, 4.26]</u> <u>Note 3: Usually the term “maximum permissible errors” is abbreviated to “MPE”, or “mpe”.</u> | <u>03238</u> |
| 1450. | <u>maximum permissible measurement error</u> <u>maximum permissible error</u> <u>limit of error</u> | <u>according to 3.22 of D 10:2022,</u> | <u>extreme value of measurement error, with respect to a known reference quantity value, permitted by specifications or regulations for a given measurement, measuring instrument, or measuring system</u> <u>(VIM, 4.26)</u> | <u>Note 1: Usually, the term “maximum permissible errors” or “limits of error” are used where there are two extreme values.</u> <u>Note 2: the term “tolerance” should not be used to designate ‘maximum permissible error’.</u> | <u>03239</u> |
| 1234.14 | maximum permissible preset value error ₁ (MPSE) _{mpse} | <u>according to 3.5.2.4.2 of R0_61-1:201704,</u> <u>T.4.2.4.2</u> | maximum permissible setting error for each preset value of the fill | | <u>0324000803</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|----------------------------|
| 1235.14 | maximum safe load (Lim) | according to T.3.1.7 of R_76-1:2006, T.3.1.7 | maximum static load that can be carried by the instrument without permanently altering its metrological qualities | | 00946 |
| 1236.14 | maximum safe load, Lim | according to T.3.3.3 of R_107-1:2007, T.3.3.3 | maximum static load that can be carried by the instrument without altering its metrological qualities | | 01364 |
| 1237.14 | maximum tare effect (T = + ..., T = - ...) | according to T.3.1.6 of R_76-1:2006, T.3.1.6 | maximum capacity of the additive tare device or the subtractive tare device | | 00945 |
| 1238.14 | maximum tare effect, T+, T- | according to T.3.1.4 of R_51-1:2006, T.3.1.4 | maximum capacity of the additive tare device or the subtractive tare device | | 00626 |
| 1239.14 | maximum transit speed | according to T.3.4.5 of R_134:2003, T.3.4.4 | maximum speed at which a vehicle can travel on the weigh zone without producing a permanent shift in the performance characteristics of a weighing instrument beyond those specified maximum speed that a vehicle can travel on the weigh zone without producing a shift in the performance characteristics of a weighing instrument beyond those specified. | | 0324101817 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|---|--|-------|-------|
| 1240.14 | maximum transit speed | according to 0.3.4.4 of R_106-1:2011, 0.3.4.4 | maximum speed, where appropriate, that a railway vehicle can travel on the weigh zone without producing a permanent shift in the performance characteristics of a weighing instrument beyond those specified | | 02592 |
| 1241.14 | maximum wagon mass | according to 0.3.1.5.1 of R_106-1:2011, 0.3.1.5.1 | largest wagon mass above which a weighing-in-motion result may be subject to an excessive relative error | | 02575 |
| 1242.14 | mean (systematic) error, - \bar{x} | according to T.4.3.5 of R_51-1:2006, T.4.3.5 | <p>Mean value of the error (of indication) for a number of consecutive automatic weighings of a load, or similar loads, passed over the load receptor, expressed mathematically as:</p> $\bar{x} = \frac{\sum_{t=1}^n x_t}{n}$ <p>where:</p> <p>x = error of a load indication, \bar{x} = mean of the errors, and n = number of weighings</p> | | 00658 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|--|--|--|-------|
| 1243.14 | mean area error ($\bar{\chi}_e$) | according to T.4.8 of R_136-1:2004, T.4.8 | $\bar{\chi}_e = [\bar{\chi} - V_{\text{true}}]$ <p>- where:</p> <p>V_{true} is the conventional true value of the leather area, and</p> <p>$\bar{\chi}$ is the mean of the measurements, i.e.</p> $\frac{\sum_{i=1}^n I_i}{n} / \frac{\sum_{i=1}^{\#} I_i}{\#}$ <p>where:</p> <p>I is the leather measurement indication; and</p> <p>n is the number of measurements.</p> | | 01911 |
| 1244.14 | mean arterial blood pressure (value) | according to 2.5 of R_16-1:2002, 2.5 | value of the integral of one cycle of the blood pressure curve divided by the time of one heart beat period | <u>Note:</u> Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 00310 |
| 1245.14 | mean arterial blood pressure (value) | according to 2.5 of R_16-2:2002, 2.5 | value of the integral of one cycle of the blood pressure curve divided by the time of one heart beat period | <u>Note:</u> Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 00325 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|---|---|---|-----------------------|
| 1463. | mean arterial blood pressure (value) | according to 2.7 of R 149-1:2020, | value of the integral of one cycle of the blood pressure curve divided by the time of one heart beat period | Note: Because of hydrostatic effects, this value should be measured with the cuff at the heart level. The calculation of the mean arterial blood pressure using only the systolic and diastolic blood pressure values is not recommended. | 03243 |
| 1246.14 | means for adjustment of a gas analyzer by the calibration gas mixture | according to 2.9 of R 144-1:2013, 1.9 | means to adjust the indication of the gas analyzer to the value of the CO, NO and NO ₂ volume fraction in a CGM | | 02764 |
| 1247.14 | means for adjustment of a gas analyzer by the calibration gas mixture | according to 2.9 of R 143:2009, 2.9 | means to adjust the indication of the gas analyzer to the value of the SO ₂ volume fraction in a CGM | | 02135 |
| 1466. | means of dissemination of units | according to 3.31 of D 5:2022, | technical devices, reference materials or material measures, which are necessary to carry out calibration by comparing the measurement standards and the measuring instruments to be calibrated | Note: These means influence uncertainties fo dissemination of units. | 03244 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------|--|--|-------|----------------------------|
| 1248.14 | measurand | according to 3.1.2 of R_137:2012, 3.1.2 | quantity intended to be measured [VIM 2.3] | | 02647 |
| 1249.14 | measurand quantity sensor | according to 3.2.3.1 of R_139-1:202214, 3.2.3.1 | part of the measuring device, directly affected by a measurand quantity parameter producing an input signal for the transducer | | 0324502720 |
| 1469. | measurand value | according to 2.2.10 of R_129-1:2020 | quantity value attributed to the measurand | | 03246 |
| 1250.14 | measured dimensions | according to 2.2.3 of R_129-1:202000, 2.12 | the length (L), width (W) or height (H), measured by the measuring instrument, of the smallest rectangular box which fully encloses the object | | 0324701711 |
| 1251.14 | measured mass | according to T.13 of R_125:1998, T.13 | the mass of liquid determined from the signals obtained from the measurement - transducer(s) | | 01629 |

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|--------------------|--|---|---|---|-------|
| 1252.14 | <p>measured quantity value</p> <p>measured value</p> <p>indication</p> <p>{value of a measured quantity}</p> | <p>according to 2.1 Tab. 1.6 of R_146-1:2016, 4.6</p> | <p>{value representing a measurement result [VIM 2.10]}</p> | <p>{NOTE 1 For a measurement involving replicate indications, each indication can be used to provide a corresponding measured quantity value. This set of individual measured quantity values can be used to calculate a resulting measured quantity value, such as an average or median, usually with a decreased associated measurement uncertainty.</p> <p>NOTE 2 When the range of the true quantity values believed to represent the measurand is small compared with the measurement uncertainty, a measured quantity value can be considered to be an estimate of an essentially unique true quantity value and is often an average or median of individual measured quantity values obtained through replicate measurements. NOTE 3 In the case where the range of the true quantity values believed to represent the measurand is not small compared with the measurement uncertainty, a measured quantity value is often an estimate of an average or median of the set of true quantity values. NOTE 4 In the GUM, the terms “result of measurement”</p> | 02787 |
|--------------------|--|---|---|---|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|--|--|-----------------------|
| | | | | <p>and “estimate of the value of the measurand” or just “estimate of the measurand” are used for ‘measured quantity value’.</p> <p>Unless specified otherwise, the measured quantity value is a single P_{MB} indication on a sample.</p> | |
| 1473. | measured quantity (value) | according to 3.7.12 of R 60-1:2021, | quantity value representing a measurement results [VIM 2.10] | (For notes, refer to the VIM) | 03250 |
| 1474. | measured quantity value metadata | according to 3.2.42 of D 31:2023, | metadata related to the measures quantity value | Note: See Annex C for clarification regarding measurement-related terms. | 03693 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------|--------------------|--|--|--|--------------|
| 1475. | <u>measurement</u> | <u>according to 3.2.34 of D 31:2023,</u> | <u>process of experimentally obtaining one or more quantity values that can reasonably be attributed to a quantity</u> <u>adapted from [OIML V 2-200:2012, 2.1]</u> | <p><u>Note 1: Measurement does not apply to nominal properties.</u></p> <p><u>Note 2: Measurement implies comparison of quantities or counting of entities.</u></p> <p><u>Note 3: Measurement presupposes a description of the quantity commensurate with the intended use of measurement result, a measurement procedure, and a calibrated measuring system operating according to the specified measurement procedure, including the measurement conditions.</u></p> <p><u>Note 4: Annex C illustrates the terms and definitions related to the measurement process and their usage in this OIML Document.</u></p> | <u>03251</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|--|---|--|-----------------------|
| 1476. | measurement angle | according to 3.4.7 of R 91-1:2025, | angle between the velocity vector and the line connecting the speed meter and the vehicle at the instance of the measurement | <i>Note:</i> The measurement angle has a horizontal and a vertical component. Figure 3 ¹² shows an illustration of the horizontal component of the measurement angle α . | 03772 |
| 1477. | measurement data | according to 3.2.35 of D 31:2023, | data used during the measurement process | <i>Note:</i> Measurement data include measured quantity value, measurement result relevant data and measurement process data, see Annex C . | 03252 |
| 1253-14 | measurement transducer | according to 3.6 of R 81:1998, 3-6 | a part of the meter that transforms the flow of the liquid to be measured into a signal(s) which is (are) sent to the calculator. It may either be autonomous or use an external power source | <i>Note:</i> For the purpose of this Recommendation, the measurement transducer includes the flow or volume sensor. | 01015 |

¹² see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1479. | <u>measurement transducer</u> <u>transducer</u> | <u>according to 3.2.3.2 of R 139-1:2022,</u> | <u>device that provides an output quantity having a specified relation to the input quantity</u> <u>[OIML V-2-200:2012, 3.7] [OIML V 1:2013, 0.11]</u> | <u>Note: For the purpose of this Recommendation this transducer is part of the measuring device and its output signal represents the output quantity which is based on the input from the sensor(s), being the input quantity.</u> | <u>03248</u> |

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| 1480. | <u>measurement error</u> | <u>according to 3.2.36 of D 31:2023,</u> | <u>measured quantity value minus reference quantity value</u> <u>adapted from [OIML V-2-200:2012, 2.16]</u> | <u>Note 1: The concept of ‘measurement error’ can be used both</u> <u>a) when there is single reference quantity value to refer to, which occurs if a calibration is made by means of measurement standard with a measured quantity value having a negligible measurement uncertainty or if a conventional quantity value is given, in which case the measurement error is known, and</u> <u>b) if a measurand is supposed to be represented by a unique true quantity value or set of true quantity values of negligibly range, in which case the measurement error is not known.</u> <u>Note 2: Measurement implies comparison of quantities or counting entities.</u> <u>Note 3: See Annex C for clarification regarding measurement-related terms.</u> | 03253 |
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| 1481. | <u>measurement error</u> <u>(error of</u> <u>measurement, error)</u> <u>[VIM 2.16]</u> | <u>according to 3.11 of</u> <u>R 142-1:2025,</u> | <u>measured quantity value minus reference quantity</u> <u>value</u> | <u>Note 1: The concept of</u> <u>'measurement error' can be used</u> <u>both</u> <u>a) when there is single</u> <u>reference quantity value</u> <u>to refer to, which occurs</u> <u>if a calibration is made</u> <u>by means of</u> <u>measurement standard</u> <u>with a measured quantity</u> <u>value having a negligible</u> <u>measurement</u> <u>uncertainty or if a</u> <u>conventional quantity</u> <u>value is given, in which</u> <u>case the measurement</u> <u>error is known, and</u> <u>b) if a measurand is</u> <u>supposed to be</u> <u>represented by a unique</u> <u>true quantity value or set</u> <u>of true quantity values of</u> <u>negligibly range, in</u> <u>which case the</u> <u>measurement error is not</u> <u>known.</u> <u>Note 2: Measurement error</u> <u>should not be confused with</u> <u>production error or mistake.</u> | 03723 |
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| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1254.14 | measurement error error of measurement error | according to 2.1.6 of R0_59-1:2016, 2.1.6 | measured quantity value minus a reference quantity value [VIM 2.16] | <p><i>Note 1:</i> The concept of 'measurement error' can be used both</p> <p>when there is a single reference quantity value to refer to, which occurs if a calibration is made by means of a measurement standard with a measured quantity value having a negligible measurement uncertainty or if a conventional quantity value is given, in which case the measurement error is known, and true quantity values of negligible range, in which case the measurement error is not known, and</p> <p>if a measurand is supposed to be represented by a unique true quantity value or a set of true quantity values of negligible range, in which case the measurement error is not known.</p> <p><i>Note 2:</i> Measurement error should not be confused with production error or mistake.</p> | 02447 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1255.14 | measurement error error {error of measurement} | according to 2.1 Tab. 1.5 of R_146-1:2016, 1.5 | measured quantity value minus a reference quantity value | <p>{NOTE 1 The concept of 'measurement error' can be used both a) when there is a single reference quantity value to refer to, which occurs if a calibration is made by means of a measurement standard with a measured quantity value having a negligible measurement uncertainty or if a conventional quantity value is given, in which case the measurement error is known, and b) if a measurand is supposed to be represented by a unique true quantity value or a set of true quantity values of negligible range, in which case the measurement error is not known.</p> <p>NOTE 2 Measurement error should not be confused with production error or mistake.</p> <p>[VIM 2.16]}</p> | 02786 |

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| 1484. | measurement error | according to 3.5.2.1 of R 61-1:2017, | measured quantity value minus a reference quantity value (VIM, 2.16) | <p><i>Note 1:</i> The concept of 'measurement error' can be used both</p> <p>a) when there is single reference quantity value to refer to, which occurs if a calibration is made by means of measurement standard with a measured quantity value having a negligible measurement uncertainty or if a conventional quantity value is given, in which case the measurement error is known, and</p> <p>b) if a measurand is supposed to be represented by a unique true quantity value or set of true quantity values of negligibly range, in which case the measurement error is not known.</p> <p><i>Note 2:</i> Measurement error should not be confused with production error or mistake..</p> | 03671 |
| 1256-14 | measurement error | according to 2.12 of R_126-1:202112, 2.12 | measured quantity value minus a reference quantity value | | 0324902638 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | ([VIM-OIML V 2-200, 2.16]–Błąd! Nie można odnaleźć źródła odwołania.) | | |
| <u>1486.</u> | <u>measurement error</u> | <u>according to 3.7.11 of R 60-1:2021,</u> | <u>measured quantity minus a reference quantity value</u> [VIM 2.16] | <i>Note:</i> The term “measurement error” in this Recommendation refers to load cell measurement errors. (For additional notes, refer to the <u>VIM</u>) | <u>03254</u> |
| <u>1487.</u> | <u>measurement metadata</u> | <u>according to 3.2.37 of D 31:2023,</u> | <u>metadata related to the measurement process</u> | <i>Note:</i> Measurement metadata include the measured quantity value metadata, measurement results relevant metadata and measurement process metadata, see Annex C. | <u>03255</u> |
| <u>1257.14</u> | measurement precision | <u>according to 3.2.11 of R 137:2012, 3.2.11</u> | closeness of agreement between indications or measured quantity values obtained by replicate measurements on the same or similar objects under specified conditions [VIM 2.15] | | 02667 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1489. | measurement precision | according to 3.1.18 of R 126-1:2021, | closeness of agreement between indications or measured quantity values obtained by replicate measurements on the same or similar objects under specified conditions (OIML V 2-200, 2.15) | | 03265 |
| 1258.14 | measurement process | according to 1.2.6 of D 20:1988, 1.2.6 | all the information, equipment and operations relevant to a given measurement [VIM:1993, 2.08] | <i>Note:</i> This concept embraces all aspects relating to the performance and quality of the measurement ; it includes, for example, the principle, method, procedure, values of the influence quantities and the measurement standards. | 00140 |
| 1491. | measurement process data | according to 3.2.38 of D 31:2023, | data used during the measurement process to construct the measurement result | <i>Note 1:</i> Examples of measurement process data include values of measurement parameters, values of connection settings or values of session parameters. <i>Note 2:</i> See Annex C for clarification regarding measurement-related terms. | 03256 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1492. | measurement proces information | according to 3.2.39 of D 31:2023, | set of values of qualitative or quantitative variables representing the measurement process | <i>Note:</i> Measurement proces information includes measurement proces data and measurement process metadata, see Annex C. | 03257 |
| 1493. | measurement proces metadata | according to 3.2.40 of D 31:2023, | metadata related to the measurement process | <i>Note:</i> Examples of measurement process metadata include format of the measurement parameters, format of the connection settings or format of the session parameters, see Annex C. | 03258 |
| 1259.14 | measurement repeatability repeatability | according to 2.1.7 of R 59-1:2016, 2.1.7 | measurement precision under a set of repeatability conditions of measurement [VIM 2.21] | | 02448 |
| 1495. | measurement repeatability | according to 3.1.19 of R 126-1:2021, | measurement precision under a set of repeatability conditions of measurement (OIML V 2-100, 2.21) | | 03266 |
| 1496. | measurement repeatability | according to 2.3.9 of R 150-1:2020, | measurement precision under a set of repeatability conditions of measurement [VIM, 2.21] | | 03403 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1497. | <u>measurement repeatability (repeatability)</u> [VIM, 2.21] | <u>according to 3.12 of R 142-1:2025,</u> | <u>measurement precision under a set of repeatability conditions of measurement</u> | | <u>03724</u> |
| 1498. | <u>measurement reproducibility (reproducibility)</u> [VIM 2.25] | <u>according to 3.13 of R 142-1:2025,</u> | <u>measurement precision under reproducibility conditions of measurement</u> | <p><u>Note 1: Relevant statistical terms are given in ISO 5725-1:1994 and ISO 5725-2:1994.</u></p> <p><u>Note 2: In this Recommendation, the reproducibility of measurements between units of the same type of instrument under reference conditions is assessed by the standard deviation of differences (SDD_1). The reproducibility of measurements from one instrument when select influence factors are varied is assessed by the magnitude of the error shift or fault.</u></p> | <u>03725</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1260.14 | measurement reproducibility reproducibility | according to 2.1.8 of R0_59-1:2016, 2.1.8 | measurement precision under reproducibility conditions of measurement [VIM 2.25] | <i>Note:</i> Relevant statistical terms are given in ISO 5725-1:1994 and ISO 5725-2:1994. <i>Additional note:</i> In this Recommendation, the reproducibility of measurements between units of the same type of instrument under reference conditions is assessed by the standard deviation of differences (SDD_I). The reproducibility of measurements from one instrument when select influence factors are varied is assessed by the magnitude of the error shift or fault. | 02449 |
| 1500. | measurement reproducibility | according to 3.1.21 of R 126-1:2021, | measurement precision under reproducibility conditions of measurement (OIML V 2-100, 2.25) | | 03267 |
| 1501. | measurement result | according to 3.1.6 of R 61-1:2017, | set of quantity values being attributed to a measurand together with any other available relevant information (VIM 2.9) | | 03672 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1502. | <u>measurement result</u> | <u>according to 3.2.41 of D 31:2023,</u> | <u>set of quantity values being attributed to a measurand together with any other available relevant information</u> <u>adapted from [V 2-200:2012, 2.9]</u> | <p><u>Note 1: The relevant information may consist of e.g. measurement uncertainty, date and time of measurement, number of measurement, identification of sensor and in the case where price calculation is part of legally relevant software, unit price and price to pay.</u></p> <p><u>Note 2: The measurement result (including the measured quantity value according to V 2:200:2012) is used for the legally relevant purposes, e.g. conclusion of transaction.</u></p> <p><u>Note 3: See Annex C for clarification regarding measurement-related terms.</u></p> | <u>03259</u> |

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| 1503. | <u>measurement result</u> <u>result</u> of <u>measurement</u> | according to 3.14 of <u>D 10:2022,</u> | In the context of this Document, result is defined as: <u>set of quantity values being attributed to a measurand</u> <u>together with any other available relevant</u> <u>information</u> (VIM3, 2.9) | <p><u>Note 1: A measurement result generally contains “relevant information” about the set of quantity values, such that some may be more representative of the measurand than others. This may be expressed in the form of probability density function (PDF).</u></p> <p><u>Note 2: A measurement result is generally expressed as single measured quantity value and a measurement uncertainty. If the measurement uncertainty is considered to be negligible for some purpose, the measurement result may be expressed as single measured quantity value. In many fields, this is the common way of expressing a measurement result.</u></p> <p><u>Note 3: In the traditional literature and in the previous edition of the VIM, measurement result was defined as value attributed to a measurand and explained to mean an indication, or an uncorrected result, or a corrected result, according to the context.</u></p> | 03260 |
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| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1504. | measurement result relevant data | according to 3.2.43 of D 31:2023, | data used during the process of constructing the measurement result | <i>Note:</i> Examples of measurement result relevant data include digital number or analogue value originating from a sensor or measuring instrument ID, in cases where it is part of the measurement result, see Annex C. | 03261 |
| 1505. | measurement result relevant metadata | according to 3.2.44 of D 31:2023, | metadata related to the construction of the measurement result | <i>Note:</i> Examples of measurement result relevant metadata include format of the digital number or analogue value originating from a sensor, format of the measured quantity value according to V 2:200:2012 or format of the measuring instrument ID , in case where it is part of the measurement result, see Annex C. | 03262 |
| 1506. | measurement result relevant information | according to 3.2.45 of D 31:2023, | set of values of qualitative or quantitative variables relevant to the measurement result | <i>Note:</i> Measurement result relevant information includes measurement result relevant data and measurement result relevant metadata , see Annex C. | 03263 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1507. | <u>measurement section</u> | <u>according to 3.1.13 of R 91-1:2025,</u> | <u>a straight or curved section of the road, where the measured vehicle was driving during the measurement</u> | <p><u>Note 1: Its starting and end points are defined such that the measured speed value refers to the average speed on the measurement section.</u></p> <p><u>Note 2: In a manual measurement, the measured vehicle drives on the measurement section after the measurement is triggered. In an automatic measurement, the measured vehicle exits the measurement section at the trigger line.</u></p> | <u>03773</u> |

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| 1261.15 | measurement standard {etalon} | according to 3.1.5 of D001:2012, 3.1.5 | <p>realization of the definition of a given quantity, with stated quantity value and associated measurement uncertainty, used as a reference</p> <p>[VIM 5.1]</p> <p><u>Examples:</u></p> <p><u>1 kg mass measurement standard with an associated standard measurement uncertainty of 3 µg.</u></p> <p><u>100 Ω measurement standard resistor with an associated standard measurement uncertainty of 1 µΩ.</u></p> <p><u>Cesium frequency standard with a relative standard measurement uncertainty of 2×10^{-15}.</u></p> <p><u>Standard buffer solution with a pH of 7.072 with an associated standard measurement uncertainty of 0.006.</u></p> <p><u>Set of reference solutions of cortisol in human serum having a certified quantity value with measurement uncertainty for each solution.</u></p> <p><u>Reference material providing quantity values with measurement uncertainties for the mass concentration of each of ten different proteins.</u></p> | <p><u>Examples:</u></p> <p><u>1 kg mass measurement standard with an associated standard measurement uncertainty of 3 µg.</u></p> <p><u>100 Ω measurement standard resistor with an associated standard measurement uncertainty of 1 µΩ.</u></p> <p><u>Cesium frequency standard with a relative standard measurement uncertainty of 2×10^{-15}.</u></p> <p><u>Standard buffer solution with a pH of 7.072 with an associated standard measurement uncertainty of 0.006.</u></p> <p><u>Set of reference solutions of cortisol in human serum having a certified quantity value with measurement uncertainty for each solution.</u></p> <p><u>Reference material providing quantity values with measurement uncertainties for the mass concentration of each of ten different proteins.</u></p> <p><i>Note 1:</i> A “realization of the definition of a given quantity” can be provided by a measuring</p> | 02205 |
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| | | | | <p>system, a material measure, or a reference material.</p> <p><i>Note 2:</i> A measurement standard is frequently used as a reference in establishing measured quantity values and associated measurement uncertainties for other quantities of the same kind, thereby establishing metrological traceability through calibration of other measurement standards, measuring instruments, or measuring systems.</p> <p><i>Note 3:</i> The term “realization” is used here in the most general meaning. It denotes three procedures of “realization”. The first one consists in the physical realization of the measurement unit from its definition and its realization in the narrowest sense. The second, termed “reproduction”, consists not in realizing the measurement unit from its definition but in setting up a highly reproducible measurement standard based on a physical phenomenon, as it happens, e.g., in the case of use of frequency-stabilized lasers to establish a measurement standard for the metre, of the</p> | |
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| | | | | <p>Josephson effect for the volt or of the quantum Hall effect for the ohm. The third procedure consists in adopting a material measure as a measurement standard. It occurs in the case of the measurement standard of 1-kg.</p> <p><i>Note 4:</i> A standard measurement uncertainty associated with a measurement standard is always a component of the combined standard measurement uncertainty (see GUM, 2.3.4) in a measurement result obtained using the measurement standard. Frequently, this component is small compared with other components of the combined standard measurement uncertainty.</p> <p><i>Note 5:</i> Quantity value and measurement uncertainty must be determined at the time when the measurement standard is used.</p> <p><i>Note 6:</i> Several quantities of the same kind or of different kinds may be realized in one device which is commonly also called a measurement standard.</p> | |
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| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | | <p><i>Note 7:</i> The word “embodiment” is sometimes used in the English language instead of “realization”.</p> <p><i>Note 8:</i> In science and technology, the English word “standard” is used with at least two different meanings: as a specification, technical recommendation, or similar normative document (in French “norme”) and as a measurement standard (in French “étalon”). This Vocabulary is concerned solely with the second meaning.</p> <p><i>Note 9:</i> The term “measurement standard” is sometimes used to denote other metrological tools, e.g. ‘software measurement standard’, see ISO 5436-2.</p> | |
| 1509. | measurement standard etalon | according to 3.15 of D 10:2022. | realisation of the definition of a given quantity, with stated quantity value and associated measurement uncertainty, used as reference | Note: For examples and notes see VIM3, 5.1 | 03264 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1510. | measurement standard etalon | according to 3.15 of D 5:2022, | realisation of the definition of a given quantity, with stated quantity value and associated measurement uncertainty, used as reference | For examples and notes see [VIM, 5.1]. | 03271 |
| 1262.15 | measurement transducer | according to 3.1.2 of R 49-1:2024 13 , 3.1.2 | part of the meter that transforms the <i>flow rate</i> (3.3.1) or volume of water to be measured into signals which are passed to the <i>calculator</i> (3.1.40) and includes the <i>sensor</i> (3.1.3) | <i>Note:</i> The measurement transducer may function autonomously or use an external power source and may be based on a mechanical, electrical or electronic principle. | 02341 |
| 1263. | measurement transducer transducer | R139-1:2014, 3.2.3.2 | device that provides an output quantity having a specified relation to the input quantity [OIML V2-200:2012, 3.7] [OIML V1:2013, 0.11] | <i>Note:</i> For the purpose of this Recommendation this transducer is part of the measuring device and its output signal represents the output quantity which is based on the input from the sensor(s), being the input quantity. | 02721 |
| 1264.15 | measurement uncertainty uncertainty of measurement uncertainty | according to 3.28 of D 11:2013, 3.28 | non-negative parameter characterizing the dispersion of the quantity values being attributed to a measurand, based on the information used [VIM 2.26] | <i>Note:</i> See VIM 2.26 for notes on this definition. | 02253 |

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| 1513. | <u>measurement uncertainty</u> <u>uncertainty of measurement</u> <u>uncertainty</u> | <u>according to 3.3 of D 5:2022,</u> | <u>non-negative parameter characterizing the dispersion of the quantity values being attributed to a measurand, based on the information used</u> <u>[VIM 2.26]</u> | <u>Note 1: Measurement uncertainty includes components arising from systematic effects, such as components associated with corrections and the assigned quantity values of measurement standards, as well as the definitional uncertainty components are incorporated.</u> <u>Note 2: The parameter may be, for example, a standard deviation called standard measurement uncertainty (or a specified multiple of it), or the half-width of an interval, having a stated coverage probability.</u> <u>Note 3: Measurement uncertainty composes, in general, many components. Some of these may be evaluated by Type A evaluation of measurement uncertainty from the statistical distribution of the quantity values form series of measurements and can be characterized by standard deviations. The other components, which may be evaluated by Type B evaluation of measurement uncertainty, can also be characterized by standard deviations, evaluated form probability density function</u> | 03268 |
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| | | | | <p><u>based on experience or other information.</u></p> <p><u>Note 4: In general, for given set of information, it is understood that the measurement uncertainty is associated with a stated quantity value attributed to the measurand. A modification of this value results in a modification of the associated uncertainty.</u></p> | |

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| 1514. | <u>measurement uncertainty</u> <u>uncertainty of measurement</u> <u>uncertainty</u> | <u>according to 3.16 of D 10:2022,</u> | <u>non-negative parameter characterizing the dispersion of the quantity values being attributed to a measurand, based on the information used (VIM3 2.26)</u> | <p><u>Note 1: Measurement uncertainty includes components arising from systematic effects, such as components associated with corrections and the assigned quantity values of measurement standards, as well as the definitional uncertainty components are incorporated.</u></p> <p><u>Note 2: The parameter may be, for example, a standard deviation called standard measurement uncertainty (or a specified multiple of it), or the half-width of an interval, having a stated coverage probability.</u></p> <p><u>Note 3: Measurement uncertainty composes, in general, many components. Some of these may be evaluated by Type A evaluation of measurement uncertainty from the statistical distribution of the quantity values form series of measurements and can be characterized by standard deviations. The other components, which may be evaluated by Type B evaluation of measurement uncertainty, can also be characterized by standard deviations, evaluated form probability density function</u></p> | 03269 |
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| | | | | based on experience or other information. <i>Note 4:</i> In general, for given set of information, it is understood that the measurement uncertainty is associated with a stated quantity value attributed to the measurand. A modification of this value results in a modification of the associated uncertainty. | |
| 1265-15 | (measurement) error | according to 3.4 of D0_11:2013, 3.4 | measured quantity value minus a reference quantity value [VIM 2.16] | | 02218 |
| 1266-15 | measuring | according to T.1.1 of R_136-1:2004, T.1.1 | set of operations, performed manually, semi-automatically or automatically, having the object of determining a value of a quantity | | 01880 |
| 1517. | measuring area | according to 2.1.12 of R 129-1:2020, | area in and around the instrument in which it is capable of measuring an object | | 03270 |
| 1267-15 | measuring (working) temperature range | according to 3.8 of R_133:2002, 3.8 | set of values of temperature for which the error of the thermometer is intended to lie within specified limits | | 01781 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1268.15 | measuring container bottles | according to 2.3 of R_138:2007, 2.3 | bottles intended to be filled either at constant level or at constant ullage with sufficient accuracy without the need to use an independent measuring instrument | | 01980 |
| 1269.15 | measuring device | according to T.m.1 of R_117-1:201907, T.m.1 | part of the meter converting the flow, the volume or the mass of the liquid to be measured into signals, representing volume or mass, destined for the calculator. It consists of a meter sensor and a transduce | | 0327201580 |
| 1270.15 | measuring device | according to 3.2.3 of R_139-1:202214, 3.2.3 | part of the meter converting the flow, the volume or the mass of the measurand into signals representing the measured quantity required as input for the measurement calculator, comprising a sensor and a transducer. | | 0327302719 |
| 1271. | measuring device | R129:2000, 2.3 | a device which measures the dimensions of an object and provides a signal to the processor from which the associated quantities are calculated | | 01702 |
| 1272.15 | measuring element | according to 2.1.9 of R_46-1:2012, 2.1.9 | part of the meter that transforms a current and a voltage into a signal proportional to the power and or energy | <i>Note:</i> A measuring element can be based on an electromagnetic, electrical or an electronic principle. | 02288 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1523. | measuring equipment | according to 3.17 of D 10:2022. | equipment (including, but not limited to, measuring instrument, software, measurement standards, reference materials, reference data, reagents, consumables or auxiliary apparatuses) that is required for the correct performance of laboratory activities and that can influence the results | Note 1: In the context of this Document, a measuring instrument is a component of the measuring equipment which plays an important role for measurement. Some measuring instrument can be used independently to complete a measurement process or realise a physical quantity. Note 2: In the context of this Document, measuring equipment may be considered as being equivalent to measuring system. | 03274 |
| 1273.15 | measuring instrument | according to 3.2.33 of D0 31:202308, 3.1.33 | device intended to be used to for making measurements, alone or in conjunction with one or more supplementary device(s) adapter from [V OIML V 1:2022+993, 0.10.4.1] | | 0327502200 |
| 1525. | measuring instrument | according to 2.1.3 of R 129-1:2019 | device used for making measurements, alone or in conjunction with one or more supplementary devices [VIM 3.1] | Note: A measuring instrument that can be used alone is a measuring system. | 03276 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1526. | measuring instrument | according to 3.11 of D 5:2022 | device used for making measurements, alone or in conjunction with one or more supplementary devices [VIM, 3.1] | Note 1: A measuring instrument that can be used alone is a measuring system. Note 2: A measuring instrument that may be an indicating measuring instrument or material measure. | 03277 |
| 1527. | measuring instrument | according to 3.18 of R 10:2022 | device used for making measurements, alone or in conjunction with one or more supplementary devices (VIM3, 3.1) | Note 1: A measuring instrument that can be used alone is a measuring system. Note 2: A measuring instrument that may be an indicating measuring instrument or material measure. | 03278 |

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|---------|----------------------|---|---|--|-------|
| 1274.15 | measuring instrument | <u>according to 3.1.4 of D001:2012, 3.1.4</u> | <p>In this Document, the term “measuring instrument” covers measuring instruments in the sense of the VIM (see VIM, 3.1), as well as measuring systems (VIM, 3.2), material measures (VIM, 3.6) and any part of a measuring instrument or measuring system which can be the object of specific requirements and of a specific evaluation of conformity.</p> <p>VIM 3.1 – measuring instrument</p> <p>device used for making measurements, alone or in conjunction with one or more supplementary devices</p> <p>Note 1 A measuring instrument that can be used alone is a measuring system.</p> <p>Note 2 A measuring instrument may be an indicating measuring instrument or a material measure.</p> <p>VIM 3.2 – measuring system</p> <p>set of one or more measuring instruments and often other devices, including any reagent and supply, assembled and adapted to give information used to generate measured quantity values within specified intervals for quantities of specified kinds</p> <p>Note — A measuring system may consist of only one measuring instrument.</p> <p>VIM 3.6 – material measure</p> <p>measuring instrument reproducing or supplying, in a permanent manner during its use, quantities of one or more given kinds, each with an assigned quantity value</p> | <p><u>Note 1 A measuring instrument that can be used alone is a measuring system.</u></p> <p><u>Note 2 A measuring instrument may be an indicating measuring instrument or a material measure.</u></p> <p><u>VIM 3.2 – measuring system</u></p> <p><u>set of one or more measuring instruments and often other devices, including any reagent and supply, assembled and adapted to give information used to generate measured quantity values within specified intervals for quantities of specified kinds</u></p> <p><u>Note A measuring system may consist of only one measuring instrument.</u></p> <p><u>VIM 3.6 – material measure</u></p> <p><u>measuring instrument reproducing or supplying, in a permanent manner during its use, quantities of one or more given kinds, each with an assigned quantity value</u></p> | 02204 |
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| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1275.15 | measuring instrument | according to 2.1 of D_15:1986, 2.1 | a device intended to make a measurement, alone or in conjunction with other equipment [VIM, 4.01] | <i>Note 1</i> In this Document, the term measuring instrument is used as a common denomination covering: material measures, measuring instruments, measuring transducers and measuring systems. | 00258 |
| 1276.15 | measuring instrument | according to T.1.2 of R_136-1:2004, T.1.2 | device intended to be used to make measurements, alone or in conjunction with supplementary device(s) [VIM:1993, 4.1] | | 01881 |
| 1277.15 | measuring mode | according to 2.8 of R_126-1:2021, 2.8 | clearly indicated mode in which the breath-alcohol analyzer EBA can make measurements at the rate normally expected in service and in which it shall meet the performance requirements of this Recommendation | | 0327902634 |
| 1278.15 | measuring range | according to 2.1.1 of R_110:1994, 2.1.1 | the range of pressure to be measured with the pressure balance | | 01417 |
| 1279.15 | measuring range | according to T.3.5 of R_136-1:2004, T.3.5 | range in which the maximum and minimum areas are intended to lie. | | 01903 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1280.15 | measuring range of the level sensor | according to 2.24 of R 80-1:2009, 2.24 | range between the minimum and maximum possible indications of the level sensor. The lower limit is type and system dependent and shall be significantly less than the liquid level corresponding to the minimum measured quantity of the tank or compartment. The upper limit depends on the tank height and shall be above the maximum permissible filling height of the tank or compartment | | 02263 |
| 1535. | measuring range of the level sensor | according to 2 of R 80-2:2017, | range between the minimum and maximum possible indications of the level sensor. The lower limit is type and system dependent and shall be significantly less than the liquid level corresponding to the minimum measured quantity of the tank or compartment. The upper limit depends on the tank height and shall be above the maximum permissible filling height of the tank or compartment | | 03280 |
| 1281. | measuring system | R105:1993, T.3 | a direct mass flow instrument and other apparatus assembled to carry out a specified measurement operation [VIM:1993, 4.05] | | 01213 |
| 1282.15 | measuring system | according to T.m.2 of R 117-1:201907, T.m.2 | system comprising a meter for quantities (volume or mass) of liquids and its ancillary devices and additional devices | | 0328101581 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| <u>1537.</u> | <u>measuring system</u> | <u>according to 3.12 of D 5:2022</u> | <u>set of one or more measuring instruments and often other devices, including any reagent and supply, assembled and adapter to give information used to generate measured quantity values withinspecified intervals for quantities of specified kinds</u> <u>[VIM, 3.2]</u> | <u>Note: A measuring system may consist of only one measuring instrument.</u> | <u>03282</u> |
| <u>1538.</u> | <u>measuring system</u> | <u>according to 3.19 of D 10:2022</u> | <u>set of one or more measuring instruments and often other devices, including any reagent and supply, assembled and adapter to give information used to generate measured quantity values withinspecified intervals for quantities of specified kinds</u> <u>(VIM3, 3.2)</u> | <u>Note: A measuring system may consist of only one measuring instrument.</u> | <u>03283</u> |
| <u>1283.15</u> | measuring system | <u>according to 3.4 of R 81:1998, 3.4</u> | system that is comprised of the meter itself and all the ancillary devices and other equipment assembled to carry out the specified measurement task | | 01013 |
| <u>1284.15</u> | measuring system | <u>according to T.1.7 of R 140:2007, T.1.7</u> | system which comprises the metering module (see T.1.8), and all the ancillary devices and additional devices and, when appropriate, a documented provisions system ensuring the quality and the traceability of data | | 02047 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| <u>1541.</u> | <u>measuring system for bunker fuel</u> | <u>according to T.b.3 of R 117-1:2019</u> | <u>measuring system intended for the measurement of bunker fuel</u> | <p><i>Note 1:</i> These measuring systems are located either on a special bunkering vessel, such as a bunker barge/tanker, or on the receiving vessel.</p> <p><i>Note 2:</i> In the process of bunkering, there is often a high possibility of entrained air entering the liquid, caused by emptying tanks and other issues.</p> | <u>03284</u> |
| 1285.15 | measuring transducer | <u>according to T.1.2.2 of R_140:2007, T.1.2.2</u> | device that provides an output quantity having a determined relationship to the input quantity [VIM:2007, 3.7] | | 02042 |
| 1286.15 | measuring transducer | <u>according to 3.1.4 of R_137:2012, 3.1.4</u> | device, used in measurement, that provides an output quantity having a specified relation to the input quantity [VIM 3.7] | | 02649 |
| <u>1544.</u> | <u>measuring transducer</u> | <u>according to 3.1.6 of R 60-1:2021,</u> | <u>device, used in measurement, that provides an output quantity having a specified relation to the input quantity</u> [VIM 3.7] | | <u>03285</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1287. | measuring transducer | R105:1993, T.13.1 | a device that transforms the flow of the liquid to be measured into signals aimed at the calculator. It may be either autonomous or use an external power source | | 01224 |
| 1288.15 | mechanical device | according to T.2.1 of R_136-1:2004, T.2.1 | device employing mechanical sub-assemblies and performing a specific function (e.g. a mechanical pinwheel comprising of a drive roller and embedded pins for detecting presence of leather and providing area measurement with analogue indication) | | 01889 |
| 1289.154 | mechanical sphygmomanometer | according to 2.11 of R_16-1:2002, 2.11 | sphygmomanometer which uses either a mercury or an aneroid manometer or another mechanical measuring device for the non-invasive measurement of the arterial blood pressure by means of an inflatable cuff | | 00316 |

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| 1290.15 | medium | <u>according to 2.1.5 of</u> <u>R087:2016, 2.1.5</u> | fluid that is put in the prepackage together with the product, either separated from, in or surrounding the product, and that is intended to be left over after use of the product, except for items naturally in the product | <p><i>Note 1:</i> For the purpose of this Recommendation a fluid includes either</p> <p>a liquid, semi-liquid or frozen liquids, or</p> <p>a gas or a mixture of gasses, whether under positive, negative or atmospheric pressure, or</p> <p>a combination of both a) and b).</p> <p><i>Note 2:</i>— The term “use” includes consumption.</p> <p><i>Note 3:</i>— A medium is sometimes also referred to as a “liquid packing medium”.</p> <p><i>Note 4:</i>— A medium can be separated from the product and other solid items that were put in the prepackage by measuring procedures in Annex C and Annex D.</p> <p><i>Note 5:</i>— A medium also includes</p> <p>the liquid mediums as specified in Clause 4.3.3 of the CODEX STAN 1-1985 “Labelling of prepackaged foods” which covers foods on which the drained mass must be marked, and</p> | 02498 |
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| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| | | | | the ice-glaze as specified in CODEX standards on ice-glazed foods. | |

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| 1291.15 | medium | <u>according to 2.2 of R0_79:2015, 1.2</u> | fluid that is put in the prepackage together with the product, either separated from, in or surrounding the product, and that is intended to be left over after use of the product, except for items naturally in the product | <p><i>Note 1:-</i> For the purpose of this Recommendation ‘fluid’ includes either liquid, semi-liquid or frozen liquids, or</p> <p>a gas or a mixture of gasses, whether below, at or above atmospheric pressure, or</p> <p>a combination of both a) and b).</p> <p><i>Note 2:-</i> _____ The term “use” would include consumption.</p> <p><i>Note 3:-</i> A medium is sometimes also referred to as “liquid packing medium”.</p> <p><i>Note 4:-</i> _____ A medium can be separated from the product and other solid items that were put in the prepackage by measuring procedures in OIML R 87 [1].</p> <p><i>Note 5:-</i> A medium also includes the liquid mediums as specified in 4.3.3 of the CODEX STAN 1-1985 Labelling of prepackaged foods [2] which covers foods on which the “drained weight” must be marked, and</p> <p>the ice-glaze as specified in CODEX standards on ice-glazed foods.</p> | 02481 |
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| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1292.15 | memory effect residual | according to 2.16 of R_126-1:2021 12, 2.16 | difference between the results of measurement of the same alcohol concentration when delivered samples are interposed with a sample containing a specified higher alcohol concentration <u>effect on true alcohol concentration of the sample caused by previous samples</u> | | 0328602642 |
| 1550. | <u>metadata</u> | <u>according to 3.2.46 of D 31:2023</u> | <u>data about data or data elements, possibly including their data descriptions, and data about data ownership, access paths, access rights and data volatility</u> <u>[ISO/IEC 2382:2015 Information technology - Vocabulary]</u> | | <u>03291</u> |
| 1293.15 | meter | according to 3.2.2 of R_139-1:2022 14, 3.2.2 | instrument intended to measure continuously and display the total value of the quantity of gas passing the sensor at metering conditions | <i>Note:—</i> A meter includes at least a measuring device, a calculator (including adjustment or correction devices if present) and an indicating device (see Figure 1). | 0328702718 |
| 1294.15 | meter | according to T.1.1 of R_140:2007, T.1.1 | instrument intended to measure, memorize and display the volume or mass of gas passing through the flow measuring device at metering conditions | <i>Note:—</i> The display may be a remote indicating device. | 02039 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1295.15 | meter | according to 3.5 of R_81:1998, 3.5 | an instrument designed to measure continuously, memorize and display the quantity that passes through the measurement transducer | <i>Note:</i> a meter includes at least a measurement transducer, a calculator (including adjustment or correction devices if present), a conversion device (if necessary), and an indicating device. | 01014 |
| 1296.15 | meter (for quantities (volume or mass) of liquids) | according to T.m.3 of R_117-1:2007, T.m.3 | instrument intended to measure continuously and display the quantity of liquid passing through the measuring device at metering conditions. A meter includes at least a measuring device, a calculator (including adjustment or correction devices if present) and an indicating device | | 0328801582 |
| 1297.15 | meter constant | according to 2.1.16 of R_46-1:2012, 2.1.16 | value expressing the relation between the energy registered by the meter and the corresponding value of the test output | | 02295 |
| 1298.15 | meter for two constant partners | according to 3.1.12 of R_49-1:202413, 3.1.12 | meter that is permanently installed and only used for deliveries from one supplier to one customer | | 02380 |
| 1299.15 | meter model | according to 4.13 of R_75-1:2002, 4.13 | different sizes of heat meters or sub-assemblies having a family similarity in the principles of operation, construction and materials | | 00869 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1300.15 | meter with exchangeable metrological module | according to 3.1.22 of R_49-1:2024 , 3.1.22 | meter with a permanent flow rate $\geq 16 \text{ m}^3/\text{h}$, comprising a connection interface and an <i>exchangeable metrological module</i> (3.1.23) from the same type approval (3.1.20) | | 02390 |
| 1301.15 | metering calculator | according to 3.2.4.1 of R_139-1:2022 , 3.2.4.1 | part of the meter that receives the output signals from the transducer(s) and, possibly, from associated measuring instruments, transforms them and, if appropriate, stores the results in memory until they are used | | 0328902723 |
| 1302.15 | metering conditions | according to 3.2.11 of R_49-1:2024 , 3.2.11 | conditions of the water, the volume of which is to be measured, at the point of measurement EXAMPLE: Water temperature, water pressure. | Examples: Water temperature, water pressure. | 02403 |
| 1303.15 | metering conditions | according to T.1.13 of R_140:2007 , T.1.13 | conditions of the gas at which the quantity is measured at the point of measurement (temperature and pressure of the measured gas) | | 0329002056 |
| 1304.15 | metering conditions | according to T.c.3.2 of R_117-1:2007 , T.c.3.2 | values of the conditions which characterize the liquid during measurement at the point of measurement (example: temperature and pressure of the liquid) | | 01546 |
| 1305.15 | metering conditions | according to 3.16 of R_81:1998 , 3.16 | the conditions of the volume of the liquid at the point of measurement. For example, temperature and pressure | | 01025 |

| | Term | Reference <u>to OIML Recommendation (R)</u> <u>or Document (D)</u> | Definition | Notes | ID |
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| 1306-15 | metering module | <u>according to T.1.8 of R_140:2007, T.1.8</u> | subassembly of a measuring system which corresponds to the meter(s) itself (themselves), associated, where applicable, with an additional calculator with a correction and an indicating device, and to all other parts of the gas circuit of the measuring system (in particular additional devices) | | 02048 |
| 1307-15 | method | <u>according to 3.10 of D0_22:1991, 3.10</u> | the distinct adaptation of a technique for a selected measurement purpose | | 00155 |
| 1308-15 | metrological authority | <u>according to T.1.7 of R_107-1:2007, T.1.7</u> | legal entity designated or formally accepted by the government to be responsible for ascertaining that the automatic weighing instrument satisfies all or some specific requirements of this Recommendation | | 01321 |
| 1309-15 | metrological authority | <u>according to T.1.9 of R0_51-1:2006, T.1.9</u> | legal entity (i.e. the verification, and/or Issuing Authority) designated or formally accepted by the government to be responsible for ascertaining that the automatic weighing instrument satisfies all or some specific requirements of this Recommendation | | 00572 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1310.15 | metrological authority | according to 0.1.13 of R_106-1:2011, 0.1.13 | legal entity (i.e. the verification and/or issuing authority) designated or formally accepted by the government to be responsible for ascertaining that the automatic weighing instrument satisfies all or some specific requirements of this Recommendation | | 02534 |
| 1311.15 | metrological authority | according to 2.1.3 of R_21:2007, 2.1.3 | legal entity (i.e. the verification, issuing authority, accredited body, etc), designated or formally accepted by the government to be responsible for ascertaining that the instrument satisfies all or some specific requirements of this Recommendation | | 00340 |
| 1570. | metrological authority | according to 3.1.10 of D 34:2019, | legal entity designated by law or by the government to be responsible for specified legal metrology activities | | 03292 |
| 1312.15 | metrological confirmation | according to 2.7 of D_27:2001, 2.7 | set of operations required to ensure that an item of measuring and test equipment is in compliance with requirements for its intended use (see ISO 10012-1 [11]) | <u>Note:</u> Metrological confirmation normally includes calibration, any necessary adjustment or repair and subsequent recalibration, as well as any required sealing and labeling. In this Document, this term is referred to as “confirmation”. | 00169 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1313.15 | metrological expertise | according to 2.6 of D016:2011, 2.6 | all the operations for the purpose of examining and demonstrating, e.g. to testify in a court of law, the condition of a measuring instrument and to determine its metrological properties, amongst others by reference to the relevant statutory requirements [VIML 2.4] | | 02259 |
| 1314.15 | metrological supervision | according to 3.1.11 of D001:2012, 3.1.11 | activity of legal metrological control to check the observance of metrology laws and regulations [VIML 2.03] | <i>Note 1:</i> Metrological supervision also includes checking the correctness of quantities indicated on and contained in pre-packages and the correct use of units of measurement. <i>Note 2:</i> For achieving these purposes, means and methods such as market surveillance and quality management may be utilized. | 02211 |
| 1315.15 | metrological supervision | according to 2.16 of D027:2001, 2.16 | control exercised in respect of the manufacture, import, installation, use, maintenance and repair of a measuring instrument and/or in respect of its use, performed in order to check that it is used correctly as regards the observance of metrology laws and regulations [VIML, 2.3] | <i>Note:</i> Metrological supervision includes checking the correctness of the quantities indicated on and contained in prepackages. | 00178 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1316.15 | metrological supervision | according to 2.5 of D00_9:2004, 2.5 | control exercised in respect of the manufacture, import, installation, use, maintenance and repair of a measuring instrument and/or in respect of its use, performed in order to check that it is used correctly as regards the observance of metrology laws and regulations [VIML 2.3] | <i>Note:</i> Metrological supervision includes checking the correctness of the quantities indicated on and contained in prepackages. | 00187 |
| 1317.15 | metrological supervision | according to 2.5 of D0_16:2011, 2.5 | control exercised in respect of the manufacture, import, installation, use, maintenance and repair of measuring instruments, performed in order to check that they are used correctly as regards the observance of metrology laws and regulations [VIML 2.3] | <i>Note:</i> Metrological supervision includes checking the correctness of the quantities indicated on and contained in prepackages. | 02258-- |
| 1318.15 | metrological supervision | according to 2.9 of D0_15:1986, 2.9 | procedures for control exercised in respect of the manufacture, installation and repair of measuring instruments, or in respect of their use, to check that they are used correctly and honestly. It extends also to control of correctness of the quantities indicated on prepacked articles [VML 2.6]. | | 00266 |
| 1578. | metrological supervision | according to 3.1.5 of R 60-1:2021, | activity of legal metrological control to check the observance of metrology laws and regulations | (For notes, refer to the VIML) | 03293 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1579. | metrological test mode | according to 3.2.9 of R 126-1:2021, | mode in which the EBA is subject to metrological control such as verification or adjustment | Note: In this mode, more information will be available compared to the measuring mode (e.g. higher resolution, intermediate results, etc.), and access to maintenance and adjustment means is possible. | 03294 |
| 1319.15 | metrological traceability | according to 3.1.2 of D00_1:2012, 3.1.2 | property of a measurement result whereby the result can be related to a reference through a documented unbroken chain of calibrations, each contributing to the measurement uncertainty [VIM 2.41] | | 02202-- |
| 1581. | metrological traceability | according to 3.7 of D 5:2022, | property of a measurement result whereby the result can be related to a reference through a documented unbroken chain of calibrations, each contributing to the measurement uncertainty [VIM, 2.41] | Note 1: For this definition, a 'reference' can be a definition of a measurement unit through its practical realization, or a measurement procedure including the measurement unity for a non-ordinal quantity, or a measurement standard. Note 2: Metrological traceability requires an established calibration hierarchy. For other nores see [VIM, 2.41] | 03295 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| <u>1582.</u> | <u>metrological traceability chain</u> <u>traceability chain</u> | <u>according to 3.8 of D 5:2022,</u> | <u>sequence of measurement standards and calibrations that is used to relate a measurement result to a reference</u> <u>[VIM, 2.42]</u> | <u>Note 1: A metrological traceability chain id defined through a calibration hierarchy.</u> <u>Note 2: A metrological traceability chain is used to establish metrological traceability of measurement result.</u> <u>Note 3: A comparison between two measurement standards may be vied as a calibration if the comparison is used to chek and , if necessary, correct the quantity value and measurement uncertainty attributes to one of the measurement standards.</u> | <u>03296</u> |
| <u>1583.</u> | <u>metrological traceability to a measurement unit</u> <u>metrological traceability to a unit</u> | <u>according to 3.9 of D 5:2022,</u> | <u>metrological traceability where the reference is a definition of measurement unit throught its practical realisation</u> | <u>Note: The expression “traceability to the SI” means ‘metrological traceability to a measurement unit of the International System of Units’.</u> | <u>03297</u> |
| <u>1320.15</u> | metrologically relevant | <u>according to 0.1.14 of R_106-1:2011, 0.1.14</u> | any device, instrument, function or software of an instrument that influences the measurement result or any other primary indication is considered to be metrologically relevant | | 02535 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
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| 1321.15 | metrologically relevant | according to 2.1.4 of R_21:2007, 2.1.4 | any device, instrument, function or software (of a taximeter) that influences the measurement result or any other primary indication is considered as metrologically relevant | | 00341 |
| 1322.15 | metrologically relevant | according to T.1.8 of R_107-1:2007, T.1.8 | any device, instrument, function or software of an instrument that influences the weighing result or any other primary indication is considered as metrologically relevant | | 01322 |
| 1323.15 | metrologically relevant | according to T.2.9 of R_76-1:2006, T.2.9 | any device, module, part, component or function of a weighing instrument that may influence the weighing result or any other primary indication is considered as metrologically relevant | | 00939 |
| 1324.15 | metrologically relevant | according to T.1.11 of R_51-1:2006, T.1.11 | any device, module, part, component, function or software of a weighing instrument that influences the weighing result or any other primary indication is considered as metrologically relevant | | 00576 |
| 1589 | metrologically relevant | according to 2.1.7 of R 150-1:2020, | attribute of any device, instrument, function or software that may influence the measurement result or any other primary indication [VIML:2013, 4.03] | | 03298 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|---|---|-----------------------|
| 1590. | metrologically relevant device | according to 3.1.7 of R 61-1:2017, | any device, module, part, component or function of instrument that may influence the weighing result or any other primary indication that is considered to be metrologically relevant | | 03614 |
| 1591. | metrology | according to 3.2 of D 5:2022, | science of measurement and its application [VIM, 2.2] | Note: Metrology includes all theoretical and practical aspects of measurement, whatever the measurement uncertainty and any field of application. | 03299 |
| 1325.15 | minimum admissible temperature mAT | according to 3.3.7 of R 49-1:202413, 3.3.7 | minimum water temperature that a meter can withstand permanently, within its <i>rated operating condition(s)</i> (3.4.4), without deterioration of its metrological performance | <i>Note:</i> mAT is the lower of the rated operating conditions for temperature. | 02413 |
| 1326.15 | minimum and maximum working pressure, p_{min} and p_{max} | according to 3.3.9 of R 137:2012, 3.3.9 | minimum and maximum internal pressure that a gas meter can withstand, within its rated operating conditions, without deterioration of its metrological performance | | 02687 |
| 1327.15 | minimum and maximum working temperatures, t_{min} and t_{max} | according to 3.3.6 of R 137:2012, 3.3.6 | minimum and maximum gas temperature that a gas meter can withstand, within its rated operating conditions, without unacceptable deterioration of its metrological performance | | 02684 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|--|---|---|----------------------------|
| 1328.15 | minimum area (A_{\min}) | according to T.3.2 of R_136-1:2004, T.3.2 | smallest value that can be measured below which the indicated result may be subject to excessive relative error | | 01900 |
| 1329.15 | minimum capacity | according to T.3.1.2 of R_76-1:2006, T.3.1.2 | value of the load below which the weighing results may be subject to an excessive relative error | | 00941 |
| 1330.15 | minimum capacity (Min) | according to T.3.2.2 of R_134:2003, T.3.2.2 | load below which a weighing in motion result before totalizing may be subject to an excessive relative error value of the load below which the weighing-in-motion results before totalizing may be subject to an excessive relative error | | 0330001810 |
| 1331.15 | minimum capacity, (Min) | according to 3.4.7 of R_61-1:2017, T.3.7 | smallest discrete load that can be weighed automatically on the <u>a</u> load receptor of the filling instrument <u>AGFI</u> | For filling instruments which effect the fill by one weighing cycle, Min is equal to the rated minimum fill (Minfill). <u>Note: For AGFIs which accomplish the fill by one weighing cycle the minimum capacity, Min, is equal to the rated minimum fill, Minfill.</u> | 0330100789 |
| 1332.15 | minimum capacity, Min | according to T.3.1.2 of R_51-1:2006, T.3.1.2 | value of the load below which the weighing result may be subject to an excessive relative error | | 00624 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|---|---|-------|----------------------------|
| 1333.16 | minimum capacity, Min | according to 0.3.2.2 of R_106-1:2011, 0.3.2.2 | mass value below which a weighing-in-motion result before totalizing may be subject to an excessive relative error | | 02585 |
| 1334.16 | minimum capacity, Min | according to T.3.3.2 of R_107-1:2007, T.3.3.2 | smallest discrete load that can be weighed automatically | | 01363 |
| 1602. | minimum capacity, Min | according to 2.3.4 of R 150-1:2020, | minimum force that the force receptor is intended to measure | | 03404 |
| 1335.16 | minimum current (I_{\min}) | according to, 2.2.3 of R_46-1:2012, 2.2.3 | lowest value of current at which the meter is specified by the manufacturer to meet the accuracy requirements | | 02302-- |
| 1336.16 | minimum dead load (E_{\min}) | according to 3.5.9 of R_60-1:202100, 2.3.8 | smallest value of a quantity (expressed in mass units) which that may be applied to a load cell without exceeding the mpe (see 2.4.9) | | 0330200719 |
| 1337.16 | minimum dead load output return (DR) | according to 3.5.10 of R_60-1:202100, 2.3.9 | difference in load cell output at minimum dead load, measured before and after load application difference of load cell output, expressed in units of mass at the minimum dead load (D_{\min}), measured before and after application of a load of D_{\max} | | 0330300720 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|---|---|-------|----------------------------|
| 1338-16 | minimum dimension (m Min) | according to 2.2.6 of R_129-1:202000 , 2.16 | value of the smallest measured dimension for each axis below which the measuring result may be subject to an excessive relative error | | 0330401715 |
| 1339-16 | minimum discharge | according to 3.4.13 of R_61-1:201704 , T.3.12 | smallest load that can be discharged from a subtractive weigher smallest load that can be discharged from a subtractive weighing instrument | | 0330500794 |
| 1340- | minimum flow rate | R105:1993, T.11 | the lowest flow rate at which the measuring system is required to meet the applicable maximum permissible errors | | 01221 |
| 1341-16 | minimum flow rate (Q_{min}) | according to 2.3.6.2 of R_50-1:20171997 , T.4.5.2 | the flowrate above which the weighing results comply with the requirements of this Recommendation | | 0330600520 |
| 1342-16 | minimum flow rate Q_1 | according to 3.3.5 of R_049-1:202413 , 3.3.5 | lowest <i>flow rate</i> (3.3.1) at which the meter is to operate within the <i>maximum permissible error(s)</i> (3.2.5) | | 02411-- |
| 1343-16 | minimum flow rate, Q_{min} | according to 3.3.3 of R_137:2012 , 3.3.3 | lowest flow rate at which a gas meter is required to operate within the limits of its maximum permissible error, whilst operated within its rated operating conditions | | 02681 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|-----------------------|
| 1344.16 | minimum flowrate of the measuring system Q_{\min} | according to T.2.10 of R_140:2007, 4.2.10 | lowest flowrate at which the water meter is required to operate within the maximum permissible error | | 00442 |
| 1345.16 | minimum immersion depth of a temperature sensor | according to 4.16 of R_75-1:2002, 4.16 | depth of immersion in a thermostatic bath with a temperature of $(80 \pm 5)^\circ\text{C}$ at an ambient temperature of $(25 \pm 5)^\circ\text{C}$, beyond which deeper immersion changes the output value by an amount corresponding to less than 0.1 K | | 00872 |
| 1346.16 | minimum load cell verification interval (v_{\min}) | according to 3.5.11 of R_60-1:2010, 2.3.10 | smallest load cell verification interval (mass) into which the load cell measuring range can be divided <u>smallest load cell verification interval in units of mass into which the maximum measuring range ($E_{\max} - E_{\min}$) can be divided</u> | | 0330700721 |
| 1347.16 | minimum load of the measuring range (D_{\min}) | according to 3.5.12 of R_60-1:2010, 2.3.11 | smallest value of a quantity (mass) which is applied to a load cell during test or use. This value shall not be less than E_{\min} (see 2.3.8). For the limits on D_{\min} during testing, see A.3.2.4 <u>smallest value of a quantity expressed in units of mass, applied to a load cell under test</u> | | 0330800722 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|--|-----------------------|
| 1615. | minimum mass flowrate, $Q_{m_{min}}$ | according to 2.3.5.2 of R 150-1:2020 | mass flowrate above which the weighing results comply with the requirements of this Recommendation | | 03405 |
| 1348. | minimum measured quantity | R105:1993, T.6 | the smallest quantity for which the measurement is metrologically acceptable for the system | | 01216 |
| 1349.16 | minimum measured quantity | according to T.2.11 of R 140:2007, T.2.11 | smallest quantity for which the measurement is metrologically acceptable for that system | <u>Note:</u> A measuring system has a minimum measured quantity for each principal measurand it processes (volumes, mass or energy). | 02077 |
| 1350.16 | minimum measured quantity (inventory and transfer) | according to T.15 of R 125:1998, T.15 | the quantity of indicated mass below which the maximum permissible error may be exceeded. This quantity applies to liquid contained in the tank (inventory) or transferred into or out of the tank (transfer) | | 01631 |
| 1351.16 | minimum measured quantity (MMQ) | according to T.q.1.3 of R 117-1:201907, T.q.1.3 | smallest quantity of liquid for which the measurement is metrologically acceptable for that system or element. In measuring systems intended for delivery operations, this smallest quantity is referred to as the minimum delivery; in those intended for receiving operations, it is referred to as the minimum receipt | <u>Note:</u> In measuring systems intended for delivery operations, this smallest quantity is referred to as the minimum delivery; in those intended for receiving operations, it is referred to as the minimum receipt. | 0330901594 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|--|-------------------|
| 1352-16 | minimum measured quantity MMQ (V_{\min}) | <u>according to 2.44 of R 80-1:2009, 2.44</u> | smallest volume of liquid for which the measurement is metrologically acceptable for the tank or individually for each of its compartments. It shall be specified only for measuring systems suitable for measuring partial volumes. Alternatively, the terms “minimum delivery” or “minimum receipt” may be used. | | 02283 |
| <u>1620.</u> | <u>minimum measured quantity MMQ (V_{\min})</u> | <u>according to 2 of R 80-2:2017,</u> | <u>smallest volume of liquid for which the measurement is metrologically acceptable for the tank or individually for each of its compartments. It shall be specified only for measuring systems suitable for measuring partial volumes.</u> <u>Alternatively, the terms “minimum delivery” or “minimum receipt” may be used.</u> | | <u>03310</u> |
| 1353-16 | minimum measured quantity of a measuring system minimum delivery | <u>according to 3.1.16 of R 139-1:2024, 3.1.16</u> | minimum totalized mass in one batch of gas required to fulfill the metrological criteria of the specific measuring system | <u>Note:</u> Note: — Measuring systems should not be used for measuring quantities less than the MMQ. | <u>0331102715</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|---|--|--|----------------------------|
| 1354.16 | minimum measured quantity of a measuring system | according to 3.13 of R_081:1998, 3.13 | the smallest quantity of liquid for which the measurement is metrologically acceptable | <i>Note:</i> In a measuring system intended to deliver, this quantity is called the minimum delivery, and in those used for receiving operations it is called the minimum receipt. | 01022 |
| 1623. | minimum measuring speed (V_{\min}) | according to 2.1.10 of R 129-1:2020, | minimum speed at which the instrument will measure correctly | <i>Note:</i> Only applicable to instruments where measurements are affected by means of relative movement between the object and the instrument. | 03318 |
| 1355.16 | minimum operating speed (v_{\min}) | according to T.3.4.3 of R_134:20036, T.3.4.2 | lowest velocity of a vehicle that the instrument is designed to weigh in motion and below which the weighing results may be subject to an excessive relative error | | 0331201815 |
| 1356.16 | minimum operating speed, v_{\min} | according to 0.3.4.2 of R_106-1:2011, 0.3.4.2 | lowest velocity of a wagon that the instrument is designed to weigh in-motion and below which the weighing results may be subject to an excessive relative error | | 02590 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|----------------------------|
| 1357.16 | minimum reading distance | according to T.54 of R_076-1:2006, T.54 | shortest distance that an observer is able freely to approach the displaying device to take a reading under normal conditions of use. This approach is considered to be free for the observer if there is a clear space of at least 0.8 m in front of the displaying device (see Figure 2) | | 00976 |
| 1358.16 | minimum specified mass deviation | according to 3.1.17 of R_139-1:202214, 3.1.17 | absolute value of the maximum permissible error for the minimum measured quantity of a measuring system | | 0331302716 |
| 1359.16 | minimum specified price deviation | according to T.d.1.2 of R_117-1:201907, T.d.1.2 | price to pay corresponding to the minimum specified quantity deviation | | 0331401552 |
| 1360.16 | minimum specified quantity deviation | according to T.d.1.1 of R_117-1:201907, T.d.1.1 | absolute value of the maximum permissible error for the minimum measured quantity | | 0331501551 |
| 1361.16 | minimum specified quantity deviation | according to T.2.12 of R_140:2007, T.2.12 | positive maximum permissible error for a minimum measured quantity of a measuring system or a metering module | | 02078 |
| 1362.16 | minimum specified volume deviation (E_{\min}) | according to 2.45 of R_080-1:2009, 2.45 | twice the absolute value of the maximum permissible error for the minimum measured quantity of a tank or compartment | | 02284 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|-------|-----------------------|
| 1632. | minimum specified volume deviation (E_{\min}) | according to 2 of R 80-2:2017, | twice the absolute value of the maximum permissible error for the minimum measured quantity of a tank or compartment | | 03316 |
| 1363.16 | minimum totalized load (Σ_{\min}) | according to 2.3.7 of R 050-1:2014 1997, T.4.6 | the quantity, in units of mass, below which a totalization may be subject to excessive relative errors totalized quantity, in units of mass, below which a totalization may be subject to excessive relative errors | | 0331700524 |
| 1364.16 | minimum totalized load, Σ_{\min} | according to T.3.6 of R 107-1:2007, T.3.6 | value of the smallest bulk load that can be totalized without exceeding the maximum permissible error when the automatic operation is comprised of discrete loads, each within the automatic weighing range | | 01368 |
| 1635. | minimum totalised quantity, Σ_{\min} | according to 2.3.6 of R 150-1:2020, | totalised quantity, in units of mass, below which totalised values may be subject to errors exceeding the applicable maximum permissible errors (mpe) | | 03406 |
| 1365.16 | minimum wagon mass | according to 0.3.1.5.2 of R 106-1:2011, 0.3.1.5.2 | wagon mass below which a weighing-in-motion result may be subject to an excessive relative error | | 02576 |
| 1366.16 | misleading prepackage | according to 2.1.6 of R 087:2016, 2.1.6 | prepackage that is made, formed, presented, marked or filled in any way that may mislead a consumer about the quantity of contents that it contains | | 02499 |

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|--------------------|---|--|---|-------|------------------|
| 1367.16 | misleading prepackage | according to 2.3 of R0_79:2015, 1.3 | prepackage that is made, formed, presented, marked or filled in any way that may mislead a consumer about the quantity of product that it contains | | 02482 |
| 1368. | mobile — breath alcohol analyzer | R126:2012, 2.3 | breath alcohol analyzer intended for use in mobile applications (e.g. in vehicles) | | 02629 |
| <u>1639.</u> | <u>mobile app</u> | <u>according to 3.2.47 of D 31:2023</u> | <u>computer program or software application designed to run on a mobile device such as a phone, tablet, or watch</u> <u>[Cambridge Dictionary, fourth edition, 2021]</u> | | <u>03694</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|---|--|-------|
| 1369:16 | mobile instrument | according to T.1.2.11 of R_76-1:2006, T.1.2.11 | non-automatic weighing instrument mounted on or incorporated into a vehicle | <p>Note 1: 1-A vehicle-mounted instrument is a complete weighing instrument which is firmly mounted on a vehicle, and which is designed for that special purpose. <i>Example:</i> Postal scale mounted on a vehicle (mobile post office).</p> <p>Note 2: 2- A vehicle-incorporated instrument uses parts of the vehicle for the weighing instrument. <i>Examples:</i> Garbage weighers, patient lifters, pallet lifters, fork lifters, wheel chair weighers.</p> | 00886 |
| 1370:16 | mobile phase | according to 2.3 of R_112:1994, 2.3 | the liquid (solvent) used to elute the sample components through and from the column; it may consist of a single component or a mixture of components | | 01475 |
| 1371:16 | mobile phase | according to 3.3 of R_113:1994, 3.3 | the carrier gas used to elute the sample components through and from the column | | 01490 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|---|--|--|-----------------------|
| 1372.16 | mobile phase | according to 3.4 of R0_82:2006, 3.4 | carrier gas and injected gaseous sample that enter and move through the column | | 01048 |
| 1373.16 | mobile phase | according to 3.4 of R0_83:2006, 3.4 | carrier gas and the injected gaseous sample that enter and move through the column | | 01064 |
| 1645. | mobile speed meter | according to 3.2.7 of R 91-1:2025, | stationary speed meter which can be moved to different locations between measurements | <p>Note 1: Stationary speed meters installed in a parked vehicle or on a parked trailer are also considered as mobile speed meters.</p> <p>Note 2: Portable speed meters which are used hand-held or which are (temporarily) installed on a tripod or similar temporary stand to guide the hand of the operator for a limited series of measurements are also considered as mobile speed meters.</p> | 03775 |
| 1374.16 | modification of a pattern | according to 1.1.4 of D0_19:1988, 1.1.4 | a change in a pattern that does or may alter some of its metrological or technical characteristics, its ranges, or its applicability | | 00128 |
| 1375.16 | modified pattern | according to 1.1.5 of D0_19:1988, 1.1.5 | with reference to a given pattern, a pattern which has been subjected to modification | | 00129 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------|---|--|---|-------|
| 1376.16 | module | according to 0.2.6 of R_106-1:2011, 0.2.6 | | <i>Note:</i> Typical modules of an automatic weighing instrument are: load cell, indicator, analogue or digital data processing device, weighing module, terminal, primary display. | 02544 |
| 1377.16 | module | according to T.2.2 of R_76-1:2006, T.2.2 | identifiable part of an instrument that performs a specific function or functions, and that can be separately evaluated according to specific metrological and technical performance requirements in the relevant Recommendation. The modules of a weighing instrument are subject to specified partial error limits | <i>Note:</i> Typical modules of a weighing instrument are: load cell, indicator, analog or digital data processing device, weighing module, terminal, primary display. | 00896 |
| 1378.16 | module | according to 3.2 of D_11:2013, 3.2 | device performing a specific function or functions and (usually) manufactured and constructed such that it can be separately evaluated according to prescribed metrological and technical performance requirements | <i>Note:</i> A module may be a complete measuring instrument (for example: counter scale, electricity meter) or a part of a measuring instrument (for example: printer, indicator). | 02216 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------|---------------|--|---|--|--------------|
| <u>1651.</u> | <u>module</u> | <u>according to 3.3.11 of R 61:2017,</u> | <p>identifiable part of a measuring instrument or of a family of measuring instruments that performs a specific function or functions and that can be separately evaluated according to prescribed metrological and technical performance requirements as specified in the relevant Recommendation</p> <p><u>(VIML, 4.04)</u></p> <p><u>Example: Typical modules of a weighing instrument are weighing module, load cell, indicator, analog or digital data processing device, terminal, primary display.</u></p> | | <u>03673</u> |
| <u>1379.16</u> | module | <u>according to T.2.7 of R 107-1:2007, T.2.7</u> | <p>identifiable part of an instrument or device that performs a specific function or functions, and that can be separately evaluated according to the metrological and technical performance requirements in the relevant Recommendation. The modules of a weighing instrument are subject to specified partial error limits</p> | Typical modules of an instrument are: load cell, indicator, analog or digital processors, weighing module, remote display, software. | 01341 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------|--|---|---|--------------|
| 1380:16 | module | according to T.2.7 of R 51-1:2006, T.2.7 | identifiable part of an instrument that performs a specific function or functions, and that can be separately evaluated according to the metrological and technical performance requirements in the relevant Recommendation. The modules of a weighing instrument are subject to specified partial error limits | Note: Typical modules of an automatic weighing instrument are: load cell, indicator, analog or digital data processing device, computer terminal, weighing module, digital display. | 00584 |
| 1654. | <u>module</u> | <u>according to 2.2.8 of R 150-1:2020,</u> | <u>identifiable part of an measuring instrument or family of measuring instruments that performs a specific function or functions, and that can be separately evaluated according to the prescribed metrological and technical performance requirements in the relevant Recommendation</u> [VIML;2013, 4.04] | <u>Note 1: The modules of a weighing instrument may be subject to specified partial error limits.</u> <u>Note 2: Modules may be examined separately (subject to agreement with the metrological authority (see 6.2.6).</u> <u>Note 3: Typical modules of an automaticweighing instrument are: load cell (force receptor), indicator, analog or digital processors, weighing module, remote display, software.</u> | <u>03319</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|--|---|-------|------------------|
| 1655. | <u>module</u> | <u>according to A.1.2 of R 60-1:2021 - Annexes</u> | <u>device performing a specific function or functions and (usually) manufactured and constructed such that it can be separately evaluated according to prescribed metrological and technical performance requirements</u> <u>(OIML D11, 3.2)</u> | | <u>03407</u> |
| 1381.16 | modulus (of a number) absolute value | <u>according to 3.35 of R0_99-1:2008, 3.35</u> | value of the number without regard to its sign | | 02371 |
| 1382.16 | moisture content wet-basis | <u>according to 2.3.11 of R0_59-1:2016, 2.3.11</u> | ratio of moisture to the total mass of the grain sample | | 02476 |
| 1383.16 | moisture meter | <u>according to 2.3.12 of R0_59-1:2016, 2.3.12</u> | instrument that measures a parameter (electrical, optical, etc.) to predict the moisture content of a grain within specified error limits | | 02477 |
| 1384. | motor fuel dispenser | R105:1993, T.4 | a measuring system intended for filling the tanks of motor vehicles authorized for road traffic, pleasure boats, and small aircraft with liquid fuel | | 01214 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|--|--|----------------------------|
| 1385.16 | motor vehicle | according to 3.40 of R 99-1:2008, 3.40 | road vehicle, powered by a built-in engine, which is not rail borne, and which is normally used for applications such as: - carrying persons and/or goods; - towing vehicles used for the carriage of persons and/or goods | | 02376 |
| 1660. | moving measurement | according to 3.2.6 of R 91-1:2025, | speed measurement using a moving speed meter with non-zero ego speed | | 03776 |
| 1661. | moving speed meter | according to 3.2.5 of R 91-1:2025, | speed meter installed in a vehicle which is intended to be in motion during measurements | <i>Note: An ego speed meter is part of a moving speed meter.</i> | 03777 |
| 1386.16 | multi-dimensional measuring instrument | according to 2.1.1 of R 129-1:2020, 2.1 | a measuring instrument which measures the length (L), width (W) and height (H) of a rectangular parallelepiped (a rectangular box), and in some cases determines the volume of that box. If the object is not of the form of a rectangular box, the smallest rectangular box which fully encloses the object is determined instrument that measures the dimensions of an object and determines the length (L), width (W) and height (H) of the smallest rectangular parallelepiped (rectangular box) which fully encloses the object | | 0332001700 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|--|-------|-----------------------|
| 1387-16 | multi-interval instrument | according to T.3.3.4 of R0_51-1:2006, T.3.3.4 | instrument having one weighing range which is divided into partial weighing ranges each with different scale intervals, with the weighing range determined automatically according to the load applied, both on increasing and decreasing loads | | 00639 |
| 1388-16 | multi-interval instrument | according to T.3.2.6 of R0_76-1:2006, T.3.2.6 | instrument having one weighing range which is divided into partial weighing ranges each with different scale intervals, with the partial weighing range determined automatically according to the load applied, both on increasing and decreasing loads | | 00952 |
| 1389-16 | multi-interval instrument | according to 2.1.8 of R_129-1:202000, 2.9 | instruments having one dimensional measuring range for each axis which is divided into partial measuring ranges each with different scale intervals, with the measuring range determined automatically according to the dimension being measured <u>measuring instruments having one dimensional measuring range for each axis which is divided into partial measuring ranges each with different scale intervals, with the measuring range determined automatically according to the dimension being measured</u> | | 0332101708 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|--|--|---|-----------------------|
| 1666 | multi-load AGFI | according to 3.2.2.1 of R 61-1:2017, | cumulative or selective combination AGFI | | 03674 |
| 1390 | multiple load receptor | R134:2003, T.2.1.1 | two or more load receptors placed in series that are used as a single load receptor for full draught weighing | | 01792 |
| 1391 | multiple range instrument | according to T.3.2.7 of R 76-1:2006, T.3.2.7 | instrument having two or more weighing ranges with different maximum capacities and different scale intervals for the same load receptor, each range extending from zero to its maximum capacity | | 00953 |
| 1392 | multiple valued line measure | according to 2.6 of R 98:1991, 2.6 | a line measure with a set of scale marks at intervals along its length | | 01156 |
| 1393 | multiple-range instrument | according to T.3.3.5 of R 51-1:2006, T.3.3.5 | instrument having two or more weighing ranges with different maximum capacities and different scale intervals for the same load receptor, each range extending from zero to its maximum capacity | | 00640 |
| 1394 | multi-tariff meter multi-rate meter | according to 2.1.4 of R 46-1:2012, 2.1.4 | electricity meter intended to measure and display electrical energy where energy will have more than one tariff rate | <i>Note:</i> The tariff rate may be determined by time, load or some other quantity | 02283 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|---|--|-----------------------|
| 1671. | national hierarchy scheme | according to 3.29 of D 5:2022. | hierarchy scheme for given type of measuring instrument in the particular country, containing the specification of the recommended (permissible) types of measuring instruments for individual levels of metrological traceability, requirements for their metrological characteristics (accuracy class, maximum permissible error, etc.) and recommended (permissible) methods and means of dissemination of units | | 03322 |
| 1672. | national measurement standard national standard | according to 3.16 of D 5:2022. | measurement standard recognised by a national authority to serve in a state or economy as the basis for assigning quantity values to other measurement standards for the kind of quantity concerned [VIM, 5.3] | | 03323 |
| 1673. | National Metrology Institute (Designated Institute) | according to 3.32 of D 5:2022. | Institute in a country that has a responsibility, sometimes set out legally, for the conservation of one or more national measurement standards | Note 1: The recommended role of National Metrology Institute (NMI) is described in detail in OIML D 1:2012, 3.2.3 [10]. Note 2: The recommended role of Designated Institute (DI) is described in CIPM 2005-07 [11] and CIPM 2005-06 (V4) [12]. | 03324 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|--|---|-------|
| 1395.16 | national responsible body | according to 2.1 of D027:2001, 2.1 | national organization or agency responsible for implementing laws or regulation regarding metrological control of measuring instruments | <i>Note:</i> The national service of legal metrology may fall under the jurisdiction of the national responsible body referred to in this Document; therefore, when delegated the responsibility, the national service of legal metrology should be substituted for the “national responsible body” throughout the text of this Document. | 00163 |
| 1396.16 | national responsible body | according to 3.15 of R_131:2001, 3.15 | organization or agency in a particular country that is responsible for determining whether the dosimetry system meets the performance requirements designated by law or regulations | | 01756 |
| 1397.16 | national responsible body | according to 3.15 of R_132:2001, 3.15 | organization or agency in a particular country that is responsible for determining whether the dosimetry system meets the performance requirements designated by law or regulations | | 01772 |
| 1398.16 | national responsible body | according to 4.16 of R_127:1999, 4.16 | the organization or agency in a particular country that is responsible for determining whether the dosimetry system meets the performance requirements designated by law or regulation | | 01690 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|---|-------|
| 1399.16 | nebulizer | according to 3.4 of R_116:2006, 3.4 | device used to transform the liquid sample into an aerosol | <i>Note:</i> The nebulizer produces droplets of varying sizes that pass through the spray chamber where larger droplets remain on the chamber walls and are removed as waste. | 01517 |
| 1400.16 | nebulizer | according to 3.8 of R_100-1:2013, 3.8 | device that converts a liquid sample into an aerosol | | 02519 |
| 1401.16 | negative (energy) flow (for bi-directional and uni-directional meters) | according to 2.2.38 of R_46-1:2012, 2.2.38 | direction of energy flow opposite to positive | <i>Note:</i> For positive-direction only, the opposite direction is termed reverse energy flow (see 2.2.39). | 02337 |
| 1402.16 | net absorbance, ΔA | according to 4.5 of R_127:1999, 4.5 | change in measured optical absorbance at the analysis wavelength(s) determined as the absolute difference between the pre-irradiation absorbance, A_0 , and the post-irradiation absorbance, A , as follows: $\Delta A = A - A_0 $ | | 01679 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|---|---|--|-------|
| 1403.16 | net quantity | according to 2.4 of R0_79:2015, 1.4 | quantity of the identified product in the prepackage exclusive of packing material | <p><i>Note 1:</i> – ‘Packing material’ includes wrappers and any other material packed with such product. See 2.6, Note 3.</p> <p><i>Note 2:</i> This term relates to specifications on a prepackage and does not account for the actual quantity in an individual prepackage. For prepackages with constant nominal quantity, the procedures for determining whether an inspection lot meets regulatory requirements are provided in OIML R 87 [1].</p> | 02483 |
| 1404.16 | net value, N | according to T.5.2.2 of R0_76-1:2006, T.5.2.2 | indication of the weight value of a load placed on an instrument after operation of a tare device | | 00968 |
| 1405.16 | net value, NET or N | according to T.3.2.2 of R0_51-1:2006, T.3.2.2 | indication of the weight value of a load placed on an instrument after operation of a tare device | | 00629 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------|---|--|--|--|--------------|
| <u>1685.</u> | <u>Newtonian reference liquids (RL)</u> | <u>according to 2.1 of D 33:2019,</u> | <u>liquid in which the shear rate is proportional to the shear stress during a viscous flow</u> | <u>Note: The ratio of shear stress to the shear rate is dynamic viscosity of the liquid, according to Neton's Law of Viscosity. The kinematic viscosity is the ration of the dynamic viscosity to the density of the liquid.</u> | <u>03325</u> |
| <u>1686.</u> | <u>Newtonian viscosity stnadrd specimen (VSS)</u> | <u>according to 2.2 of D 33:2019,</u> | <u>Newtonian liquid sufficiently homogeneous and stable with respect to viscosity (dynamic and kinematic) which has been determined traceable to international or national measurement standards, by a metrologically valid procedure, and is documented in a calibration certificate together with the associated uncertainty, and a statement of metrological traceability</u> | | <u>03326</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------|--|---|---|--------|
| 1406.16 | noise | according to 2.8 of R_112:1994, 2.8 | <p>a measure of variation in the detector signal; it can be divided into three components:</p> <ul style="list-style-type: none"> - <u> </u> short-term noise includes all observable random variations of the detector signal having a frequency of the order of 10–2_Hz to 10–1_Hz (one or more cycles per minute) and should be measured peak to peak - <u> </u> long-term noise includes all observable random variations of the detector signal with frequencies between 0.1_Hz and 1.0_Hz - <u> </u> drift is the average slope of the baseline signal measured over a minimum period of one-half hour. | <p><u>Note:</u> Although long-term noise can occur at any time during an analysis, it can be mistaken for a late-eluting peak. Earlier eluting peaks are usually sharper and less easily confused with long-term noise.</p> | -01480 |
| 1407.16 | noise | according to 3.8 of R_113:1994, 3.8 | <p>a measure of the variation in the detector's output signal when a sample component is not being detected. This can be classified into two types:</p> <p>Short-term noise includes all observable random variations of the signal from the detector or other components having a frequency of about one or more cycles per minute.</p> <p>Drift is the average slope of the baseline signal measured over an extended time period, for example, one-half hour</p> | | 01495 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|--|-------|
| 1408.16 | noise | according to 3.9 of R_82:2006, 3.9 | <p>Manifestation of variation in the gas chromatograph output signal not associated with changes in chromatographic conditions (e.g. temperature gradient), which can be divided into two components:</p> <p><i>Short-term noise</i>, which includes all observable random variations of the signal from the detector or other components having a frequency of the order of one or more cycles per minute.</p> <p><i>Drift</i>, i.e. the average slope of the baseline signal measured over a minimum of half an hour</p> | <i>Note:</i> This term relates to specifications on a package and does not account for the actual contents in an individual package. The procedures for determining whether a production lot meets regulatory requirements are provided in OIML R 87 <i>Net contents in packages</i> | 01053 |
| 1409.16 | noise equivalent temperature difference (temperature resolution, ΔT_{NETD}) | according to 2.10 of R_141:2008, 2.10 | -temperature increment equal to the root-mean-square value of the noise in a thermogram, when observing a homogeneous background set with a specified temperature and a specified thermogram rate | | 02114 |
| 1410.16 | nominal base temperature | according to 2.8 of R_48:2004, 2.8 | temperature at which the socket (and terminals) of the lamp shall be thermostated | | 00408 |
| 1411.16 | nominal capacity | according to 2.2 of R_40:1981, 2.2 | nominal capacity is the maximum numbered value of the scale of volumes shown on the pipette | | 00392 |
| 1412.16 | nominal capacity | according to 2.2 of R_41:1981, 2.2 | the nominal capacity is the maximum numbered value of the scale of volumes shown on the burette | | 00396 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|---|-------|
| 1413.16 | nominal capacity | according to 2.2 of R0_43:1981, 2.2 | the nominal capacity of a standard graduated flask is the volume used to designate the flask (see point 3.2.) | | 00400 |
| 1414.16 | nominal capacity | according to 3.2 of R0_71:2008, 3.2 | rounded value of the maximum volume of liquid that a tank may contain under normal conditions of use | | 02226 |
| 1415.16 | nominal capacity (of the tank or compartment), V_n | according to 2.6 of R0_80-1:2009, 2.6 | volume indicated (marked) on the tank or its compartment | <p><u>Note 1:</u> 1. The nominal capacity value usually corresponds to the volume of liquid which a tank or compartment contains at reference temperature when filled up to the maximum permissible level or volume mark.</p> <p><u>Note 2:</u> 2. The nominal capacity value can be limited by safety regulations.</p> | 02245 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------------|--|--|---|---|------------------------|
| 1416:16 1697. | nominal capacity (of the tank or compartment), V_n | according to 2 of R 80-2:2017, | volume indicated (marked) on the tank or its compartment | <p><i>Note 1:</i> The nominal capacity value usually corresponds to the volume of liquid which a tank or compartment contains at reference temperature when filled up to the maximum permissible level or volume mark.</p> <p><i>Note 2:</i> The nominal capacity value can be limited by safety regulations.</p> | 01137 03327 |
| 1416:16 | nominal capacity of a tank | according to T.1 of R 95:1990, T.1 | the volume of liquid the tank contains under rated operating conditions, at reference temperature | | 01137 |
| 1417:16 | nominal capacity, V_n | according to 2.5 of R 138:2007, 2.5 | volume indicated on the vessel | | 01982 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------|---|--|---|-------|
| 1418.17 | nominal diameter DN | according to 3.3.14 of R0_49-1:202413, 3.3.14 | alphanumeric designation of size for components of a pipework system, which is used for reference purposes | <p><i>Note 1:</i> The nominal diameter is expressed by the letters DN followed by a dimensionless whole number which is indirectly related to the physical size, in millimetres, of the bore or outside diameter of the end connections.</p> <p><i>Note 2:</i> The number following the letters DN does not represent a measurable value and should not be used for calculation purposes except where specified in the relevant standardRecommendation.</p> <p><i>Note 3:</i> In those standardsRecommendations which use the DN designation system, any relationship between DN and component dimensions should be given, e.g. DN/OD or DN/ID.</p> | 02420 |
| 1419.17 | nominal displacement | according to T.5 of R0_53:1982, T.5 | value of the displacement of the reference point, due to the effect of nominal pressure | | 00678 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|-------|-------|
| 1420.17 | nominal frequency (f_{nom}) | according to 2.2.9 of R0_46-1:2012, 2.2.9 | frequency of the voltage (and current) specified by the manufacturer for normal operation of the meter | | 02308 |
| 1421.17 | nominal length | according to 2.1.2 of R0_35-1:2007, 2.1.2 | length by which the measure is designated | | 00363 |
| 1422.17 | nominal length of a line measure | according to 2.2 of R0_98:1991, 2.2 | the length the measure is expected to represent in the absence of any manufacturing error | | 01152 |
| 1423.17 | nominal operating conditions | according to T.1.22 of R_140:2007, T.1.22 | normal, average or typical conditions of use of a measuring system or a device provided by the manufacturer | | 02065 |
| 1424.17 | nominal pressure | according to T.2 of R0_53:1982, T.2 | maximum pressure specified for the given elastic sensing element | | 00674 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|---|---|-------|
| 1425.17 | nominal quantity | according to 2.1.7 of R0_87:2016, 2.1.7 | quantity of product in a prepackage declared on the label | <p><i>Note 1:</i> – The symbol “Q_{nom}” is used to designate the nominal quantity.</p> <p><i>Note 2:</i> – In some national legislation the nominal quantity of the product is referred to as “net quantity”, “net contents”, “net mass” or “net volume”.</p> <p><i>Note 3:</i> – The nominal quantity should be declared in accordance with OIML R 79 [1].</p> | 02500 |
| 1426.17 | nominal quantity | according to 2.5 of R0_79:2015, 1.5 | quantity of product in a prepackage declared on the label | | 02484 |
| 1427.17 | nominal set point | according to T.2.10.2 of R0_51-1:2006, T.2.10.2 | value expressed in units of mass preset by the operator by means of the setting device in order to establish the limit between consecutive sub-groups | | 00605 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|---|--|-----------------------|
| 1710. | nominal values of resistance R_0 and relative resistance W_{100}^1 of the resistance thermometer | according to 2.4 of R 84:2003, | Those specified in 4.1 and Table 1¹³. | | 03328 |
| 1428.17 | nominal voltage (U_{nom}) | according to 2.2.7 of R 46-1:2012, 2.2.7 | voltage specified by the manufacturer for normal operation of the meter | <i>Note:</i> Meters designed for operation across a range of voltages may have several nominal voltage values. | 02306 |

¹³ see Annex A of OIML G18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|--|--|--|--------------|
| 1712. | <u>non-adjustable water meter</u> | <u>according to 3.1.26 of R 49-1:2024,</u> | <u>water meter (3.1.1) whose indication cannot be altered in any way (e.g. without changing the internal dimensions and/or method of operation), and which has no <i>adjustment device</i> (3.1.6) or <i>correction device</i> (3.1.7)</u> | <p><u>Note 1: This category should also include mechanical meters with an internal adjustment device where the adjustment cannot be altered at initial verification stage as the meter would need to be dismantled.</u></p> <p><u>Note 2: The meter should not have a correction device, i.e. the indicating device of the meter should either be purely mechanical or be electronic but with a constant multiplying factor applied to the indication and set to the same value for all meters (such as a device which counts the number of rotations of the shaft and multiplies by a fixed value to give total volume passed).</u></p> | <u>03703</u> |
| 1429.17 | non-automatic (static) operation | <u>according to T.3.4.3 of R_51-1:2006, T.3.4.3</u> | static weighing mode for test purposes | | 00643 |
| 1430.17 | non-automatic (static) operation | <u>according to T.3.8 of R_107-1:2007, T.3.8</u> | static weighing mode for test purposes | | 01370 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|-------|-----------------------|
| 1431.17 | non-automatic checking facility type N checking facility | according to 3.5.8 of R_49-1:202413, 3.5.8 | checking facility (3.5.4) that requires the intervention of an operator [SOURCE: OIML-D 11:2013 3.19.2, [38], 3.19.2, modified — Synonym presentation] | | 02441 |
| 1432.17 | non-automatic checking facility checking facility of type N | according to 3.2.16 of R_139-1:202214, 3.2.16 | checking facility, requiring the intervention of an operator [OIML D 11:2013, 3.19.2] | | 0332902737 |
| 1433.17 | nonautomatic checking facility (Type N) | according to T.34.2 of R_125:1998, T.34.2 | a checking facility which requires the intervention of an operator | | 01657 |
| 1718. | nonautomatic checking facility (type N) | according to A.1.8 of R 60:2021 - Annexes | checking facility which requires the intervention of an operator (OIML D 11, 3.19.2) | | 03408 |
| 1434. | non-automatic checking facility (type N) | R105:1993, T.31 | a checking facility that requires intervention of an operator | | 01250 |
| 1435.17 | non-automatic checking facility (type N) | according to 3.19.2 of D_11:2013, 3.19.2 | checking facility that requires the intervention of an operator | | 02239 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|----------------------------|
| 1436.17 | non-automatic checking facility (type N) | according to T.c.2.4 of R_117-1:201907, T.c.2.4 | checking facility that requires the intervention of an operator | | 0333001544 |
| 1437.17 | non-automatic checking facility (Type N) | according to T.4.6 of R_140:2007, T.4.6 | checking facility that requires the intervention of an operator | | 02104 |
| 1438.17 | non-automatic checking facility (type N)* | according to 3.31 of R_81:1998, 3.31 | A checking facility that requires the intervention of an operator | | 01040 |
| 1439.17 | non-automatic weighing instrument | according to 0.1.3 of R_106-1:2011. 0.1.3 | instrument that requires the intervention of an operator during the weighing process to decide whether the weighing result is acceptable | | 02524 |

| | | | | | |
|-------------------|-----------------------------------|--|---|---|-------|
| 1440.1 | non-automatic weighing instrument | <u>according to T.1.2 of R0_76-1:2006, T.1.2</u> | <p>Instrument that requires the intervention of an operator during the weighing process to decide that the weighing result is acceptable</p> <p>A non-automatic weighing instrument may be:</p> <p>graduated or non-graduated; or</p> <p>self-indicating, semi-self-indicating or non-self-indicating</p> | <p><u>Note 1: 1.</u> Deciding that the weighing result is acceptable includes any intelligent action by the operator that affects the result, such as taking an action when an indication is stable or adjusting the mass of the weighed load, and to make a decision regarding the acceptance of each weighing result on observing the indication or releasing a print out. A non-automatic weighing process allows the operator to take an action (i.e. adjust the load, adjust the unit price, determine that the load is acceptable, etc.) which influences the weighing result in the case where the weighing result is not acceptable.</p> <p><u>Note 2: 2.</u> In case of doubt as to whether an instrument is a non-automatic weighing instrument or an automatic weighing instrument, the definitions for automatic weighing instruments given in OIML Recommendations R 50, R 51, R 61, R 106, R 107 and R 134 have higher priority than the criteria of <i>Note 1</i> above.</p> | 00875 |
|-------------------|-----------------------------------|--|---|---|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|--|---|---|----------------------------|
| | | | | <i>Note 3: 3-</i> In this Recommendation a non-automatic weighing instrument is called an “instrument”. | |
| 1441.17 | non-automatic weighing instrument | according to T.1.3 of R_107-1:2007, T.1.3 | instrument that requires the intervention of an operator during the weighing process to decide that the weighing result is acceptable | | 01316 |
| 1442.17 | non-automatic zero setting device | according to T.2.10.8.1 of R_51-1:2006, T.2.10.8.1 | device for setting the indication to zero by an operator | | 00612 |
| 1443.17 | nonautomatic zero-setting device | according to T.2.10.2 of R_134-1:2003, T.2.4.1.1 | zero-setting device that must be operated manually | | 033101798 |
| 1444.17 | non-automatic zero-setting device | according to 2.2.6.1 of R_50-1:2014, T.3.8.1.1 | device for setting the indication to zero by an operator zero-setting device that requires observation and adjustment by the operator | | 0333201898 |
| 1445.17 | non-automatic zero-setting device | according to T.2.7.2.1 of R_076-1:2006, T.2.7.2.1 | device for setting the indication to zero by an operator | | 00777 |
| 1446.17 | non-automatic zero-setting device | according to T.2.4.1 of R_107-1:2007, T.2.4.1 | a zero-setting device that must be operated manually | | 01269 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|----------------------------|
| 1447.17 | non-automatic zero-setting device | according to 3.3.4.1 of R_61-1:2017 04 , T.2.4.1 | a zero-setting device that requires observation and adjustment by the operator. device for setting the indication to zero by an operator | | 0333300504 |
| 1448.17 | non-automatic zero-setting device | according to 0.2.10.1 of R_106-1:2011 , 0.2.10.1 | zero-setting device that must be operated manually | | 02561 |
| 1449.17 | non-automatic zero-setting device | according to T.2.5.3 of R_136-1:2004 , T.2.5.3 | device for setting the indication to zero by an operator | | 01334 |
| 1734. | non-automatic zero-setting device | according to 2.2.6.1 of R_150-1:2020 , | zero-setting device that requires observation and adjustment by the operator | | 03334 |
| 1450.17 | non-graduated instrument | according to T.1.2.2 of R_76-1:2006 , T.1.2.2 | instrument not fitted with a scale numbered in units of mass | | 00877 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|-----------------------|
| 1451.17 | non-interruptible / interruptible cumulative measurement | <u>according to 3.2.48 of D0_31:202308, 3.1.34</u> | <p>a non interruptible measurement is a cumulative continuous measuring process with no definite end.</p> <p>The measuring process cannot be stopped and continued again by a user or operator without inadmissibly disturbing the measurement or the supply with goods or energy.</p> <p>If the cumulative measurement of a quantity of a substance can be stopped easily and rapidly during normal operation — not only in case of emergency — without falsifying the measurement result, it is called interruptible</p> <p><u>cumulative measuring process with no definite and that cannot be stopped and continued again by a user/operator without falsifying the result of measurement</u></p> | <p><u>Note 1: Examples include:</u> <u>a) continuous totalising automatic weighing instrument,</u> <u>b) heat meter.</u></p> <p><u>Note 2: See also interruptible cumulative measurement (3.2.27)</u></p> | 0333502201 |
| 1452.17 | non-invasive blood pressure measurement | <u>according to 2.6 of R0_16-1:2002, 2.6</u> | indirect measurement of the arterial blood pressure without arterial puncture | | 00311 |
| 1453.17 | non-invasive blood pressure measurement | <u>according to 2.6 of R0_16-2:2002, 2.6</u> | indirect measurement of the arterial blood pressure without arterial puncture | | 00326 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|--|-------|-----------------------|
| 1739. | non-invasive blood pressure measurement | according to 2.8 of R 148-1:2020, | indirect measurement of the arterial blood pressure without arterial puncture | | 03336 |
| 1740. | non-invasive blood pressure measurement | according to 2.9 of R 149-1:2020, | indirect measurement of the arterial blood pressure without arterial puncture | | 03337 |
| 1741. | non-invasive automated sphygmomanometer | according to 2.8 of R 149-1:2020, | medical measuring instrument used for the intermittent non-invasive estimation of the blood pressure by utilising an inflatable cuff, a pressure transducer, a valve for deflation, and/or displays used in conjunction with automated methods for estimating blood pressure. Hereafter referred to as “sphygmomanometer” in this Recommendation | | 03338 |
| 1742. | non-invasive non-automated sphygmomanometer | according to 2.7 of R 148-1:2020, | medical measuring instrument used by a trained person for the non-invasive measurement of the arterial blood pressure by utilising an inflatable cuff with a display and used in conjunction with stethoscope or any other manual methods for estimating blood pressure. Hereafter called sphygmomanometer in this Recommendation | | 03339 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|----------------------------|
| 1454.17 | non-linearity | according to 2.4.10 of R0_60-1:202100 , 2.4.10 | deviation of the increasing load cell signal output curve from a straight line deviation from the average of the values of load cell signals from a straight line through zero force applied and maximum force applied | | 0334000737 |
| 1455.17 | non-linearity of elastic characteristic | according to T of R0_53:1982 , T | difference between the forward elastic characteristic and the conventional linear characteristic | | 00684 |
| 1456.17 | non-self-indicating instrument | according to T.1.2.5 of R0_76-1:2006 , T.1.2.5 | instrument in which the position of equilibrium is obtained entirely by the operator | | 00880 |
| 1457.17 | normal boiling point | according to 3.2 of R0_81:1998 , 3.2 | that temperature at which a liquid vaporizes or boils at the atmospheric pressure of 101_325_Pa | | 01011 |
| 1458.17 | normal limit of the measuring range | according to T.6 of R_101:1991 , T.6 | the upper limit of the part of the measuring range acceptable for permanent operation of the instrument in service | | 01208 |
| 1459.17 | normal limit of the measuring range | according to 2.4 of R_109:1993 , 2.4 | the upper limit of the part of the measuring range acceptable for permanent operation of the instrument in service | | 01414 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|-------|----------------------------|
| 1460.17 | normal operating conditions | according to 0.5.4 of R_106-1:2011, 0.5.4 | conditions of use prescribed for operating the instrument including types of wagons, site installation, maintenance and methods of weighing | | 02621 |
| 1461.17 | normal weighing conditions | according to T.5.4 of R_107-1:2007, T.5.4 | conditions of use prescribed for the instrument including types of material, site and method of operation | | 01401 |
| 1462.17 | number of load cell verification intervals (n) | according to 2.5.13 of R_60-1:202100, 2.3.12 | number of load cell verification intervals into which the load cell measuring range is divided total of load cell verification intervals into which the maximum measuring range is divided | | 0334100723 |
| 1463.17 | number of sensitive elements (detecting elements of the thermogram) | according to 2.6 of R_141:2008, 2.6 | number of photosensitive elements which form the thermographic instrument photodetector | | 02110 |
| 1464.17 | number of verification scale intervals (single-interval instrument) | according to T.3.3.3 of R_51-1:2006, T.3.3.3 | quotient of the maximum capacity and the verification scale interval: $n = \frac{Max}{e}$ | | 00638 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|--------------|
| 1465.17 | number of verification scale intervals, n | according to T.3.2.5 of R0_76-1:2006, T.3.2.5— | quotient of the maximum capacity and the verification scale interval: $n = \frac{Max}{e}$ | | 00951 |
| 1466.17 | observation zone | according to 3.2 of R_116:2006, 3.2 | region of the plasma monitored during the measurement process | | 01515 |
| 1467.17 | odometer | according to 1.2 of R0_55:1981, 1.2 | instrument designed to indicate the distance covered by the vehicle following a totalization of vehicle wheel revolutions | | 00691 |
| <u>1757.</u> | <u>OIML Certificate</u> | <u>according to 3.G.3-2 of D 30:2020,</u> | <u>Type Examination certificate, issued by an OIML Issuing Authority, attesting the conformity of type of measuring instrument or module with the relevant requirements of an OIML Recommendation at the time of testing and evaluation</u> <u>(OIML B 18, 3.25)</u> | | <u>03342</u> |
| <u>1758.</u> | <u>OIML certificate</u> | <u>according to 3.G.3-2 of D 37:2022,</u> | <u>Type Examination Certificate, issued by an OIML Issuing Authority, attesting the conformity of type of measuring instrument or module with the relevant requirements of an OIML Recommendation at the time of testing and evaluation</u> <u>(OIML B 18)</u> | | <u>03343</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|---|-------|-----------------------|
| 1759. | OIML certificate | according to 3.2.49 of D 31:2023, | type examination certificate, issued by an OIML Issuing Authority, attesting the conformity of type of measuring instrument or module with the relevant requirements of an OIML Recommendation at the time of testing and evaluation [OIML B 18:2022, 3.26] | | 03695 |
| 1760. | OIML Certification System (OIML-CS) | according to 3.G.3-2 of D 30:2020, | system for issuing, registering and using OIML Certificates and associated OIML type evaluation reports for types of measuring instruments (including families of measuring instruments, modules or families of modules), based on the requirements in the relevant OIML Recommendation(s) (OIML B 18, 3.26) | | 03344 |
| 1761. | OIML Issuing Authority | according to 3.G.3-2 of D 30:2020, | Certification body from an OIML Member State issuing OIML Certificates and associated OIML type evaluation reports in accordance with Scheme A or Scheme B (OIML B 18, 3.27) | | 03345 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------|-----------------------------|--|---|---|--------------|
| 1762. | <u>OIML testreport</u> | <u>according to 3.G.3-2 of D 30:2020,</u> | <u>report issued by a test laboratory that includes the results of the tests and examinations it carried out on the basis of relevant OIML Recommendation during OIML type evaluation on identified sample(s) of given type of measuring instrument or module</u> <u>(OIML B 18, 3.29)</u> | <u>Note: Unless the OIML Recommendation states otherwise, several test reports may be issued if several test laboratories are involved in covering all of the tests and examinations specified in the relevant OIML Recommendation.</u> | <u>03346</u> |
| 1763. | <u>OIML type evaluation</u> | <u>according to 3.G.3-2 of D 30:2020,</u> | <u>type evaluation conducted on the basis of the relevant OIML Recommendation(s)</u> <u>(OIML B 18, 3.30)</u> | | <u>03347</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|--|-----------------------|
| 1468-17 | OIML E <u>type</u> E <u>valuation R</u> report | D030:2008, 3-G.3-1 <u>according to 3-G.3-2 of</u> | report, drawn up according to the test Report Format specified in the relevant Recommendation that includes the Partial Test Reports or the Test Report and assesses the conformity of the type of measuring instrument to all the requirements in the relevant OIML Recommendation <u>report issued by an OIML Issuing Authority participating in the OIML-CS that assesses the conformity of the type of a measuring instrument or module to requirements in the relevant OIML Recommendation and, if applicable, to the additional national requirements specified in the Declaration</u> <u>(OIML B 18, 3.31)</u> | 1. The OIML Evaluation Report is issued by the OIML Issuing Authority. 2. The OIML Evaluation Report is currently designated as "Test Report" in OIML B 3 and as "OIML Test Report" in OIML B 10-1. | 0334802165 |
| 1469- | open network | D031:2008, 3.1.35 | network of arbitrary participants (electronic devices with arbitrary functions). The number, identity and location of a participant can be dynamic and unknown to the other participants (see also Closed network) | | 02202 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------|---|--|--|-------|
| 1470-17 | open network | according to 2.2.6 of R_59-1:2016, 2.2.6 | network of arbitrary participants (electronic devices with arbitrary functions). The number, identity and location of a participant can be dynamic and unknown to the other participants. This is in contrast to a closed network [D 31, 3.1.6] which is a network of a fixed number of participants with a known identity functionality and location –[OIML D 31, 3.1.35] | | 02463 |
| 1471-17 | open network | according to 2.2.12 of R_146-1:2016, 2.2.12 | network of arbitrary participants (electronic devices with arbitrary functions) [OIML D31:2008, 3.1.35] | <i>Note:</i> The number, identity and location of a participant can be dynamic and unknown to the other participants. This is in contrast to a closed network [OIML D 31:2008, 3.1.6] which is a network of a fixed number of participants with a known identity functionality and location. | 02810 |
| 1472-17 | operating conditions | according to 3.2.16 of R_137:2012, 3.2.16 | conditions of the gas (temperature, pressure and gas composition) at which the quantity of gas is measured | | 02672 |
| 1473-17 | operating level of the piston | according to 2.6.1 of R_110:1994, 2.6.1 | the level of the piston, with respect to a clearly defined part of the support column or the base of a pressure balance | | 01439 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------------|---|--|--|-----------------------|
| 1474.17 | operating position device | according to 2.2.11 of R_021:2007, 2.2.11 | device to switch the taximeter into specific operating positions (see 2.3.3) | <u>Note:</u> The operating position device may, for example, consist of specific keys and switches for specific functions. | 00360 |
| 1770. | operating system | according to 3.2.50 of D 31:2023, | software to control program operation and to provide the services for resource allocation, task scheduling, I/O control, and data management as well such task as access control and security adapted from [ISO 16484-2:2004, 3.140] | | 03696 |

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|------------------|--------------------------------------|--|--|-------|------------------|
| 1475. | operation checking device | R050-1:1997, T.3.8.5 | <p>A device that enables certain functions of the belt weigher to be checked and that is particularly intended:</p> <p>to simulate the effect of a constant load per unit length by means of a weight, chain, or electrical reference signal, or</p> <p>to compare two integrations of a load per unit length over equal time intervals,</p> <p>or</p> <p>to indicate that the maximum load has been exceeded, or</p> <p>to indicate that the flowrate is either above its maximum or below its minimum value, or</p> <p>to draw the attention of the user to a fault in the operation of the belt weigher.</p> | | 00510 |
| <u>1771.</u> | <u>operational calculator</u> | <u>according to 3.2.4.2 of R 139-1:2022,</u> | <u>part of the meter that receives the digital output signals from the metering calculator and, possibly, from associated measuring instruments, which processes them into data for the indicating device</u> | | <u>03349</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|--|--|--|------------------|
| 1476.17 | operational test | according to T.6.1 of R0_51-1:2006, T.6.1 | optional part of the meter that receives the digital output signals from the metering calculator and, possibly, from associated measuring instruments, which processes them into data for the indicating device | <u>Note:</u> The metering calculator and the operational calculator may be two separate elements or form a single unit. Except in the case of a particular need to dissociate the two kinds of calculators, the association of both functions is called the calculator in this Recommendation. | 01991 |
| 1477. | operational calculator | R139-1:2014, 3.2.4.2 | optional part of the meter that receives the digital output signals from the metering calculator and, possibly, from associated measuring instruments, which processes them into data for the indicating device | | 02724 |
| 1478.17 | optical path length (b) | according to 2.6 of R_135:2004, 2.6 | distance covered by the radiation flux between the entry and exit surfaces of a solution contained in an optical cell | <u>Note:</u> 4. ISO 6286, Table 2, No. 13. The coherent SI unit is the metre (m), but the centimetre (cm) or millimetre (mm) are usually preferred. | 01845 |
| 1479.17 | ordinary measuring instrument | according to 2.2 of D0_15:1986, 2.2 | a measuring instrument intended for ordinary use but not for the verification of other instruments [VML, 6.1.3] | | 00259 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|---|--|---|-------|
| 1480:17 | oscillometric method | according to 2.13 of R0_16-2:2002, 2.13 | method, wherein a cuff is placed on the limb and the pressure in the cuff is increased until the blood flow in the artery is interrupted and then the pressure in the cuff is slowly reduced | <p><u>Note:</u> During the inflation and deflation of the cuff small pressure changes (oscillations) occur in the cuff as a result of the arterial blood pressure pulses. These oscillations, which first increase and then decrease, are detected and stored together with the corresponding cuff pressure values in the measurement system.</p> <p>With these stored values the systolic, diastolic and mean arterial blood pressure values can be mathematically derived using an appropriate algorithm. It is possible to carry out the measurement during the inflation phase.</p> | 00333 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------|-------------------------------|--|---|---|--------------|
| <u>1776.</u> | <u>oscillometric method</u> | <u>according to 2.10 of R 149-1:2020</u> | <u>method that estimated systolic, diastolic and mean arterial pressure during the slow inflation or deflation of an occluding cuff at the brachial artery</u> | <u>Note: During the inflation and deflation of the cuff small pressure changes (oscillations) occur in the cuff as a result of the arterial blood pressure pulses. These oscillations, which first increase and then decrease, are detected and stored together with the corresponding cuff pressure values in the measurement system. With these stored values the systolic, diastolic and mean arterial blood pressure values can be mathematically derived using an appropriate algorithm. It is possible to carry out the measurement during the inflation phase.</u> | <u>03350</u> |
| <u>1481.17</u> | overall inaccuracy of reading | <u>according to T.4.2.2 of R 51-1:2006, T.4.2.2</u> | on an instrument with analog indication, this is equal to the standard deviation of the same indication, the reading of which is carried out under normal conditions of use by several observers. It is customary to make at least ten readings of the result | | 00653 |

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|--------------------|-------------------------------|---|---|--|-------|
| 1482.17 | overall inaccuracy of reading | according to T.4.4.2 of R_107-1:2007, T.4.4.2 | on an instrument with analog indication, this is equal to the standard deviation of the same indication, the reading of which is carried out under normal conditions of use by several observers | | 01386 |
| 1483.17 | overall inaccuracy of reading | according to T.5.4.2 of R_76-1:2006, T.5.4.2 | on an instrument with analog indication, this is equal to the standard deviation of the same indication, the reading of which is carried out under normal conditions of use by several observers. It is customary to make at least ten readings of the result | | 00974 |
| 1484.17 | overload | according to T.3.3.4 of R_107-1:2007, T.3.3.4 | discrete load on the load receptor of more than Max plus 9 d_t | | 01365 |
| 1485.17 | overload conditions | according to 3.4.3 of R_137:2012, 3.4.3 | conditions outside the rated operating conditions (including flow rate, temperature, pressure, humidity and electromagnetic interference) that a gas meter is required to withstand without deterioration. | | 02692 |
| 1486.17 | overload flow rate Q_4 | according to 3.3.3 of R_49-1:202413, 3.3.3 | highest <i>flow rate</i> (3.3.1) at which the meter is to operate for a short period of time within the <i>maximum permissible error(s)</i> (3.2.5) , while maintaining its metrological performance when it is subsequently operating within the <i>rated operating condition(s)</i> (3.4.4) | Note: the definition of short period of time can vary between economies and/or applications, but for example 2 hours in a 24 hours period. | 02409 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|-----------------------|
| 1487.17 | overload pressure | according to T.3 of R0_53:1982, T.3 | pressure greater than nominal pressure, but at which the limit of elastic deformation of the elastic sensing element is not exceeded | | 00675 |
| 1488.17 | packing material | according to 2.1.8 of R0_87:2016, 2.1.8 | everything of the prepackage that is intended to be left over after use of the product, except for items naturally in the product | | 02501 |
| 1489.17 | packing material | according to 2.6 of R0_79:2015, 1.6 | everything of the prepackage that is intended to be left over after use of the product, except for items naturally in the product | | 02485 |
| 1490.17 | partial totalization indicating device | according to T.4.3.2 of R_107-1:2007, T.4.3.2 | totalization indicating device that indicates the sum of the weight values of a limited number of consecutive loads delivered to bulk. This device is resettable to zero by the user | | 01382 |
| 1491.17 | partial totalization indicating device | according to 2.4.2.5 of R0_50-1:20141997, T.3.7.2 | a device that indicates the mass of the loads conveyed over a limited period | | 0335100501 |
| 1788. | partial totalisation indicating device | according to 2.4.2.5 of R 150-1:2020 | device that indicates the mass of the loads conveyed over a limited period of time | | 03352 |
| 1492.17 | partial weighing | according to 0.3.1.2 of R_106-1:2011, 0.3.1.2 | determining the mass of a wagon in two or more parts (i.e. axle or bogie partial weighing) successively on the same load receptor | | 02566 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------|--|--|--|-------------------|
| 1493.17 | partial weighing | <u>according to T.3.1.2 of R_134:20036, T.3.1.2</u> | weighing of a vehicle in two or more parts successively on the same load receptor. The results are automatically added to indicate or print the vehicle weight <u>weighing a vehicle in two or more parts successively on the same load receptor</u> | | <u>0335301805</u> |
| 1494.17 | patient simulator | <u>according to 2.15 of R_16-2:2002, 2.15</u> | device for simulating the oscillometric cuff pulses and/or auscultatory sounds during inflation and deflation | <u>Note:</u> This device is not used for testing accuracy but is required in assessing stability of performance. | 00335 |
| 1792. | <u>patient simulator</u> | <u>according to 2.11 of R 149-1:2020,</u> | <u>device for simulating the oscillometric cuff pulses and/or auscultatory sounds during inflation and deflation</u> | <u>Note: This device is not used for testing measurement accuracy but is required in assessing stability of performance.</u> | <u>03354</u> |
| 1495.17 | pattern approval process | <u>according to 1.1.2 of D_19:1988, 1.1.2</u> | the sequence of all the steps taken in the course of the evaluation and approval or rejection of a pattern, starting with the submission of the request for pattern approval and culminating in a certificate or notice of pattern approval or rejection | | 00126 |

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|--------------------|------------------------|---|--|---|-----------------------|
| 1496.17 | pattern evaluation | according to 2.3 of D0_15:1986, 2.3 | the examination of one or more measuring instruments of the same pattern which are submitted by a manufacturer to the National Service of Legal Metrology; this examination includes the tests necessary for the approval of the pattern [VML 2.2]. | <u>Note:</u> Pattern evaluation is not limited to the National Service of Legal Metrology or the metrological services of other government agencies, but may also be undertaken by any other officially authorized test centre as well as by manufacturers and users of measuring instruments. The purpose of pattern evaluation is not necessarily pattern approval, its purpose may also be, for example, assessment of suitability for use. | 00260 |
| 1497.17 | payment | according to T.p.1 of R_117-1:201907, T.p.1 | monetary compensation in exchange for the delivered quantity of liquid | | 0335501583 |
| 1498.17 | performance | according to T.33 of R_125:1998, T.33 | the ability of the measuring instrument to accomplish its intended functions | | 01652 |
| 1499. | performance | R105:1993, T.27 | the capability of the measuring system to accomplish the intended functions | | 01244 |

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|--------------------|-----------------------------|--|---|-------|----------------------------|
| 1500.17 | performance | according to 2.3.13 of R_129-1:2020 , 2.32 | the ability of the measuring instrument to accomplish its intended functions | | 0335601733 |
| 1501. | performance | D031:2008, 3.1.36 | ability of a measuring instrument to accomplish its intended functions [OIML D 11:2004, 3.16] | | 02203 |
| 1502.17 | performance | according to 3.26 of R_85-1:2008 , 3.26 | ability of the ALG to accomplish the intended functions | | 02324 |
| 1503.17 | performance | according to T.5.4 of R_136-1:2004 , T.5.4 | ability of the measuring instrument to accomplish its intended functions | | 01920 |
| 1504. | performance test | R105:1993, T.33 | a test intended to verify whether the measuring system being tested (equipment under test or EUT) is capable of accomplishing its intended functions | | 01252 |
| 1505.18 | performance test | according to T.7 of R_76-1:2006 , T.7 | test to verify whether the equipment under test (EUT) is capable of performing its intended functions | | 00992 |
| 1506.18 | performance test | according to T.p.2 of R_117-1:2019 , T.p.2 | test intended to verify whether the equipment under test (EUT) is capable of accomplishing its intended functions | | 0335701586 |

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|--------------------|----------------------------------|--|--|-------|----------------------------|
| 1507.18 | performance test | according to 3.33 of R_81:1998, 3.33 | a test to verify that the measuring system under test (EUT) is capable of accomplishing its intended functions | | 01042 |
| 1508.18 | performance test | according to T.35.3 of R_125:1998, T.35.3 | a test intended to verify whether the equipment under test is able to accomplish its intended functions | | 01661 |
| 1509.18 | performance test | according to 0.6.4 of R_106-1:2011, 0.6.4 | test to verify that the equipment under test (EUT) is capable of accomplishing its intended functions | | 02625 |
| 1510.18 | performance test | according to 3.1.7 of R_60-1:2021, 2.1.4 | test to verify whether the load cell under test is capable of performing its intended functions | | 0335800707 |
| 1806. | performance test | according to A.1.12 of R 60-1:2021 - Annexes | test intended to verify whether the EUT is able to accomplish its intended functions (OIML D 11, 3.21.4) | | 03410 |
| 1511.18 | performance test | according to 3.21.4 of D_11:2013, 3.21.4 | test intended to verify whether the EUT is able to accomplish its intended functions [VIML 5.21] | | 02245 |

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|--------------------|------------------|--|--|-------|----------------------------|
| 4512.18 | performance test | according to 3.4.4 of R_139-1:2022 14 , 3.4.4 | test intended to verify whether the measuring system under test (EUT) is able to accomplish its intended functions [OIML V_1:2013, 5.21] | | 0338202749 |
| 4513.18 | performance test | according to 3.4.6 of R_49-1:2022 13 , 3.4.6 | test intended to verify whether the equipment under test (3.1.17) is able to accomplish its intended functions [SOURCE: OIML D_11:2013- 3], 3.21.4][8].] | | 02426 |
| 4514.18 | performance test | according to 3.4.7 of R_137:2012 , 3.4.7 | test intended to verify whether the equipment under test (EUT) is capable of accomplishing its intended functions [OIML D11, 3.20.3] | | 02696 |
| 4515.18 | performance test | according to T.6.3 of R_51-1:2006 , T.6.3 | test to verify that the equipment under test (EUT) is able to accomplish its intended functions | | 00671 |
| 4516.18 | performance test | according to 3.7.3 of R_61-1:2017 04 , T.6.3 | test to verify whether the equipment under test (EUT) is able to accomplish its intended functions test intended to verify whether the equipment under test (EUT) is able to accomplish its intended functions (VIML, 5.21) | | 0335900816 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------|---|--|-------|----------------------------|
| 1517.18 | performance test | according to T.6.3 of R_136-1:2004, T.6.3 | test to verify whether the equipment under test (EUT) is able to accomplish its intended functions | | 01923 |
| 1518.18 | performance test | according to T.6.3 of R_107-1:2007, T.6.3 | test to verify whether the equipment under test (EUT) is capable of accomplishing its intended functions [OIML D 11: 2004, 3.20.3] | | 01404 |
| 1519.18 | performance test | according to 2.6.2 of R0_50-1:20141997, T.7.3 | a test to verify whether the equipment under test (EUT) is capable of accomplishing its intended functions test intended to verify whether the EUT is able to accomplish its intended functions [OIML D 11, 3.20.3] | | 0336000537 |
| 1520.18 | performance test | according to T.6.4 of R_134:20036, T.6.4 | test to verify that the equipment under test (EUT) is capable of accomplishing its intended specified functions | | 0336101836 |
| 1521.18 | performance test | according to T.3.6 of R_140:2007, T.3.6 | test intended to verify whether the measuring equipment under test (EUT) is capable of accomplishing its intended functions | | 02097 |
| 1522.18 | performance test | according to 2.4.4 of R_129-1:202000, 2.33.3 | a test intended to verify whether the EUT is able to accomplish its intended functions | | 0336201737 |

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|--------------------|----------------------|---|---|--|-------|
| 1819. | performance test | according to 2.6.2 of R 150-1:2020 | test intended to verify whether the equipment under test (EUT) is able to accomplish its intended functions [VIML:2013.5.21] | | 03363 |
| 1523.18 | peripheral device | according to T.2.3.5 of R 76-1:2006, T.2.3.5 | additional device which repeats or further processes the weighing result and other primary indications <i>Examples:</i> Printer, secondary display, keyboard, terminal, data storage device, personal computer. | Examples: Printer, secondary display, keyboard, terminal, data storage device, personal computer. | 00908 |
| 1524. | peripheral equipment | R105:1993, T.13.5 | auxiliary devices such as: —repeating indicating devices —ticket printers —daily report printers —devices to read key cards, magnetic cards or bank notes —self service equipment, etc. | | 01228 |

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|--------------------|---|--|---|-------|----------------------------|
| 1525-18 | permanent automatic checking facility | according to 2.31 of R_135:2004, 2.31 | facility incorporated in a measuring instrument which enables _significant faults to be detected and acted upon and which _operates on each measurement cycle without the intervention of the operator [adapted from OIML D 11, 3.18 and 3.18.1] | | 01870 |
| 1526-18 | permanent automatic checking facility checking facility of type P | according to 3.2.15.1 of R_139-1:202214, 3.2.15.1 | automatic checking facility that operates at each measurement cycle [OIML D_11:2013, 3.19.1.1] | | 0336402735 |
| 1527-18 | permanent automatic checking facility type P automatic checking facility | according to 3.5.6 of R_49-1:202413, 3.5.6 | <i>automatic checking facility (3.5.5)</i> that operates at each measurement cycle [SOURCE source: OIML D_11:2013- 3 , 3.19.1.1, [8] modified — Synonym presentation-] | | 02439 |
| 1528-18 | permanent automatic checking facility (Type P) | according to T.34.1.1 of R_125:1998, T.34.1.1 | an automatic checking facility operating at each measurement cycle | | 01655 |
| 1529-18 | permanent automatic checking facility (type P) | according to 2.58 of R_80-1:2009, 2.58 | automatic checking facility that operates at each measurement _cycle | | 02297 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|-------|-----------------------|
| 1826. | permanent automatic checking facility (type P) | according to 2 of R 80-2:2017, | automatic checking facility that operates at each measurement cycle | | 03365 |
| 1530-18 | permanent automatic checking facility (type P) | according to 3.19.1.1 of D0_11:2013, 3.19.1.1 | automatic checking facility that operates at each measurement cycle | | 02237 |
| 1531-18 | permanent automatic checking facility (type P) | according to 3.30.1 of R0_99-1:2008, 3.30.1 | automatic checking facility operating during each measurement cycle [adapted from OIML D 11:2004, 3.18.1.1] | | 02365 |
| 1532. | permanent automatic checking facility (type P) | R105:1993, T.30.1 | an automatic checking facility operating during all the measurement operation | | 01248 |
| 1533-18 | permanent automatic checking facility (type P) | according to T.c.2.2 of R_117-1:201907, T.c.2.2 | automatic checking facility operating during the entire measurement operation | | 0336601542 |
| 1534-18 | permanent automatic checking facility (type P) | according to 3.29 R0_81:1998, 3.29 | an automatic checking facility that operates during the entire measurement operation | | 01038 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|--|---|--|-----------------------|
| 1535-18 | permanent automatic checking facility (type P) | according to T.4.4 of R_140:2007, T.4.4 | automatic checking facility operating continuously during the entire measurement operation | | 02102 |
| 1536-18 | permanent automatic checking facility (type P) | according to 3.12 of R_85-1:2008, 3.12 | automatic checking facility that operates at each measurement cycle | | 02310 |
| 1833 | permanent automatic checking facility (type P) | according to A.1.6 of R 60:2021 - Annexes, | automatic checking facility that operates at each measurement cycle (OIML D 11, 3.19.1.1) | | 03409 |
| 1537-18 | permanent flow rate Q_3 | according to 3.3.2 of R_49-1:202413, 3.3.2 | highest <i>flow rate (3.3.1)</i> within the <i>rated operating condition(s) (3.4.4)</i> at which the meter is to operate within the <i>maximum permissible error(s) (3.2.5)</i> | <i>Note:</i> In this Recommendation, the flow rate is expressed in m ³ /h. See 4.1.3. | 02408 |
| 1538-18 | permanent jointed contact sensor | according to 2.2.7 of R_147:2016, 2.2.7 | contact sensor of an internal or external thermometer that cannot be removed from the BBR without dismantling the latter | | 02828 |
| 1539-18 | permanent magnetization (M) | according to 2.9.7 of R_111-1:2004, 2.9.7 | parameter that specifies a magnetic state of material bodies such as weights, in the absence of an external magnetic field (most generally, magnetization is a vector whose magnitude and direction are not necessarily constant within the material). The magnetization of a body generates an inhomogeneous magnetic field in space and | | 01457 |

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|--------------------|-----------------------------------|--|--|--|-----------------------|
| | | | thus may produce magnetic forces on other materials | | |
| 1540-18 | permissible uncertainty U_{pBB} | according to 2.2.1 of R_147:2016, 2.2.1 | expanded uncertainty at a specified confidence level ($p = 0.95$ or $p = 0.99$) declared in the technical documentation, at which the BBR is considered fit for its intended use. The standard uncertainty $u_{pBB} = U_{pBB}/k(p)$ is calculated from either $k(p = 0.95) = 2$ or $k(p = 0.99) = 3$ | | 02822 |
| 1541-18 | pipeline measuring system | according to T.p.4 of R_117-1:201907, T.p.4 | measuring system which (in principle) is installed on a fixed pipeline connecting two or more fixed tanks Such a pipeline is characterized by a flowrate of the liquid to be measured which, in general, either does not change or changes little during a prolonged period | <i>Note:</i> Such a pipeline is characterized by a flowrate of the liquid to be measured which, in general, either does not change or changes little during a prolonged period | 0336701588 |
| 1542-18 | placing on the market | according to 2.20 of D_16:2011, 2.20 | making a measuring instrument or a prepackage available on the market for the first time in the specific country (or region). Making available can be either against payment or free of charge | | 02273 |
| 1543-18 | placing on the market | according to 2.22 of D_09:2004, 2.22 | making a measuring instrument or a prepackage available on the market for the first time in the specific country (or region), either for payment or free of charge | | 00204 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|----------------------------------|--|--|---|-----------------------|
| 1841. | placing on the market | according to 3.1.11 of D 34:2019, | the first making available of measuring instrument or prepackage on the market [from VIML, 2.2.4] | Note: In the context of this Document, this definition applies to individual instruments rather than an approved type of measuring instrument. | 03368 |
| 1544-184 | plasma | according to 3.1 of R 116:2006, 3.1 | gas having a large fraction of its atoms in an ionized state that excites and ionizes atoms of a sample introduced into an ICP system for analysis | | 01514 |
| 1545-18 | plateau of alcohol concentration | according to 3.2.15 of R 126-1:202112, 2.19 | the plateau starts when the alcohol concentration (representative of the alveolar air) reaches 99 % of the reference value of the gas used for testing and remains stable (see Annex B.2) time period during exhalation when the alcohol content is considered to reach a nearly stable value | Note: Plateau of alcohol concentration is described in R 126-2, Annex A.4. | 0336902644 |
| 1546-18 | PMMA dosimeter | according to 3.2 of R 131:2001, 3.2 | piece of specially selected or specially developed PMMA material that exhibits characterizable ionizing radiation-induced changes in specific optical absorbance as a function of absorbed dose, individually encapsulated by the manufacturer in a hermetically sealed pouch. The change in specific absorbance may be related to absorbed dose in the surrounding material | | 01740 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|--|---|---|--|--|
| 1547-18 | PMMA dosimetry system | according to 3.1 of R_131:2001, 3.1 | system used for determining absorbed dose consisting of PMMA dosimeters and associated measurement instrumentation | | 01739 |
| 1548-18 | pneumatic system | according to 2.7 of R_16-1:2002, 2.7 | system that includes all pressurized and pressure controlling parts such as cuff, tubing, connectors, valves, transducer and pump | | 00312 |
| 1549-18 | pneumatic system | according to 2.7 of R_16-2:2002, 2.7 | system that includes all pressurized and pressure controlling parts such as cuff, tubing, connectors, valves, transducer and pump | | 00327 |
| 1848 | pneumatic system | according to 2.9 of R 148-1:2020, | system that includes all pressurized and pressure-controlling parts such as cuff, tubing, connectors, valves, transducer and pump | | 03370 |
| 1849 | pneumatic system | according to 2.12 of R 149-1:2020, | system that includes all pressurized and pressure-controlling parts such as cuff, tubing, connectors, valves, transducer and pump | | 03371 |
| 1550-18 | portable breath alcohol analyzer (portable EBA) | according to 2.4 of R_126-1:2021, 2.4 | breath alcohol analyzer intended for use inside or outside buildings and in mobile applications (e.g. handheld devices generally powered by an autonomous battery) evidential breath alcohol analyzer intended for use in outdoor conditions (e.g. handheld devices generally powered by a battery) | Note: In the scope of this Recommendation, portable EBAs are designated as use-case 3. | 03372 02630 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|---|-------|
| 1551.18 | portable instrument for weighing road vehicles | according to T.1.2.12 of R0_76-1:2006, T.1.2.12 | <p>non-automatic weighing instrument having a load receptor, in one or several parts, which determines the total mass of road vehicles, and which is designed to be moved to other locations</p> <p><i>Examples:</i> Portable weighbridge, group of associated non-automatic axle (or wheel) load weighers</p> <p><i>This Recommendation covers only weighbridges and groups of associated non-automatic axle (or wheel) load weighers that determine simultaneously the total mass of a road vehicle with all axles (or wheels) being simultaneously supported by appropriate parts of a load receptor.</i></p> | <p><i>Examples:</i> Portable weighbridge, group of associated non-automatic axle (or wheel) load weighers</p> <p><i>This Recommendation covers only weighbridges and groups of associated non-automatic axle (or wheel) load weighers that determine simultaneously the total mass of a road vehicle with all axles (or wheels) being simultaneously supported by appropriate parts of a load receptor.</i></p> | 00887 |
| 1552.18 | portable material testing machine | according to 3.2 of R0_65:2006, 3.2 | material testing machine that is specifically designed to be moved from place to place without major disassembly and adjustments to its performance characteristics | | 00819 |
| 1553.18 | positive (energy) flow | according to 2.2.37 of R0_46-1:2012, 2.2.37 | direction of energy flow towards the consumer | | 02336 |
| 1554.18 | positive-direction only (energy) flow | according to 2.2.35 of R0_46-1:2012, 2.2.35 | capability of the meter to measure energy flow in only one direction (positive direction) | | 02334 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|---|---|---|---|----------------------------|
| 1555-18 | post-payment or delayed payment | according to T.p.1.2 of R_117-1:201907, T.p.1.2 | type of payment requiring payment after the delivery, either before leaving the site (post-payment) or after leaving the site (delayed payment) | | 0337301585 |
| 1556-18 | power converter (power supply device) | according to 3.38 of R_99-1:2008, 3.38 | sub assembly converting the voltage from the mains power to a voltage suitable for other sub-assemblies [OIML D 11:2004, 3.22] | | 02374 |
| 1557-18 | power converter (power supply device) | according to 3.23 of D_11:2013, 3.23 | sub-assembly converting the voltage from the mains power to a voltage suitable for other sub-assemblies | | 02248 |
| 1858 | power converter (power supply device) | according to A.1.14 of R 60:2021 - Annexes, | sub-assembly converting the voltage from the mains power to a voltage suitable for other sub-assemblies | | 03411 |
| 1558-18 | power factor (PF) | according to 2.2.14 of R_46-1:2012, 2.2.14 | ratio of the active power to the apparent power | <i>Note:</i> At sinusoidal and either one-phase or symmetrical three-phase conditions, the power factor = $\cos \Phi$ = the cosine of the phase difference Φ between voltage U and current I . | 02313 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------|--|--|--|---|-----------------------|
| 1559 | power supply | R105:1993, T.13.4 | a device that provides the electronic devices with the required electrical energy, using one or several sources of D.C. or A.C | | 01227 |
| 1560 | power supply device | according to T.p.5 of R_117-1:201907, T.p.5 | device which provides the electronic devices with the required electrical energy, using one or several sources of AC or DC | | 0337401589 |
| 1561 | preconditioning | according to 3.4.9 of R_49-1:202413, 3.4.9 | treatment of the <i>equipment under test</i> (3.1.17) with the objective of eliminating or partially counteracting the effects of its previous history | <i>Note:</i> Where called for, this is the first process in a test procedure. | 02429 |
| 1562 | predicting clinical electrical thermometer | according to 2.5 of R_115:1995, 2.5 | a predicting clinical electrical thermometer calculates the maximum temperature of a probe in contact with a body cavity or tissue, without waiting for thermal equilibrium to occur, by using heat transfer data and a mathematical algorithm | | 01513 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------|--|---|---|-------|
| 1563.18 | prepackage | according to 2.1.9 of R 87:2016, 2.1.9 | single item for presentation as such to a consumer, consisting of a product and its packing material, made up before being offered for sale and in which the quantity of the product has a predetermined value, whether the packing material encloses the product completely or only partially, but in any case in such a way that the actual quantity of product cannot be altered without the packing material either being opened or undergoing a perceptible modification | <p><i>Note 1:</i> – For the purpose of this Recommendation “prepackage” includes those prepackages marked with a constant nominal quantity and thus excludes those prepackages marked with random nominal quantities. The term “predetermined value” refers to the value determined prior to the prepackage being offered for sale.</p> <p><i>Note 2:</i> – The actual quantity of some products may change after packing due to desiccation or chemical reactions.</p> | 02502 |
| 1564.18 | prepackage | according to 2.2 of D 9:2004, 2.2 | combination of a product and the packing material in which it is prepacked (see OIML R 87 [5]) | | 00184 |
| 1565.18 | prepackage | according to 2.4 of D 16:2011, 2.4 | combination of a product and the packing material in which it is prepacked | (see OIML R 87) | 02257 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|--|-------|
| 1566.18 | prepackage | according to 2.7 of R0_79:2015, 1.7 | Note: For the purpose of this Recommendation prepackages include prepackages marked with a constant nominal quantity or random nominal quantities. The term “predetermined value” refers to the value determined prior to the prepackage being offered for sale. | Note: For the purpose of this Recommendation prepackages include prepackages marked with a constant nominal quantity or random nominal quantities. The term “predetermined value” refers to the value determined prior to the prepackage being offered for sale. | 02486 |
| 1567.18 | prepackage marked with constant nominal quantity | according to 2.1.10 of R0_87:2016, 2.1.10 | prepackage on which the same nominal quantity is declared | | 02503 |
| 1568.18 | prepackage marked with constant nominal quantity | according to 2.8 of R0_79:2015, 1.8 | prepackage on which the same nominal quantity is declared | | 02487 |
| 1569.18 | prepackage marked with random nominal quantities | according to 2.1.11 of R0_87:2016, 2.1.11 | prepackage individually measured and marked with its actual quantity at the time of packing | | 02504 |
| 1570.18 | prepackage marked with random nominal quantities | according to 2.9 of R0_79:2015, 1.9 | prepackage individually measured and marked with its actual quantity at the time of packing | | 02488 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|--|---|---|----------------------------|
| 1571.18 | pre-payment | according to 3.3.5 of R_39-1:2022 14 , 3.3.5 | type of payment in attended or unattended service mode requiring payment for a quantity of gas before the delivery commences | | 0337502742 |
| 1572.18 | pre-payment | according to T.p.1.1 of R_117-1:2019 07 , T.p.1.1 | type of payment requiring payment for a certain quantity of liquid before the delivery commences | | 0337601584 |
| 1573.18 | prepayment meter | according to 2.13 of R_46-1:2012 , 2.13 | electricity meter intended to allow electrical energy to be delivered up to a predetermined amount | <i>Note 1:</i> Such a meter measures energy continuously and stores and displays the measured energy. <i>Note 2:</i> National authorities may specify requirements in relation to prepayment meters. | 02282 |
| 1574.18 | pre-selection device | according to 2.2.9 of R_50-1:2014 1997 , T.3.8.7 | the means used to pre-set a weight value for a totalized load | | 0337700512 |
| 1575.18 | preset tare device | according to T.2.10.10.3 of R_51-1:2006 , T.2.10.10.3 | device for subtracting a preset tare value (T.3.2.4.1) from a gross (T.3.2.1) or net (T.3.2.2) weight value and indicating the result of the calculation. The weighing range for net loads is reduced accordingly | | 00620 |

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|-----------------------|------------------------------------|---|--|---|-----------------------|
| 1576:18 | preset tare device | according to T.2.7.5 of R0_76-1:2006, T.2.7.5 | device for subtracting a preset tare value from a gross or net weight value and indicating the result of the calculation. The weighing range for net loads is reduced accordingly | | 00928 |
| 1877. | preset tare device | according to 3.3.5.2 of R 61-1:2017, | device for subtracting a preset tare value from a gross or net weight value and indicating the result of the calculation. The weighing range for net loads is reduced accordingly | | 03675 |
| 1577:18 | preset tare value | according to T.5.3.1 of R0_76-1:2006, T.5.3.1 | numerical value, representing a weight, that is introduced into the instrument and is intended to be applied to other weighings without determining individual tares. "Introduced" includes procedures such as: keying in, recalling from a data storage device, or inserting via an interface | | 0970 |
| 1578:18 | preset tare value, PT | according to T.3.2.4.1 of R0_51-1:2006, T.3.2.4.1 | numerical value, representing a weight value, that is introduced into the instrument. It is a predetermined tare value that is used for one or several weighings | <p>Note 1: "Introduced" includes procedures such as: keying in, recalling from a data storage, or inserting via an interface.</p> <p>Note 2: 2. "Predetermined" means that a tare value is determined once and is applied to other weighings without determining the individual tare values.</p> | 00631 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|--|--|--|-----------------------|
| 1880. | preset tare value, PT | according to 3.3.5.3 of R 61-1:2017, | numerical value, representing a weight, that is introduced into the instrument and is intended to be applied to other weighings without determining individual tares | <i>Note</i> : “introduced” includes procedures such as keying in, recalling from a data storage device, or inserting via an interface. | 03676 |
| 1579-18 | preset value | according to 3.4.3 of R 61-1:2017 04 , T.3.3 | value, expressed in units of mass, preset by the operator by means of the fill setting device, in order to define the nominal value of the <u>mass of the fills</u> | | 0337800785 |
| 1580-18 | pre-setting device | according to T.p.3 of R 117-1:2017 07 , T.p.3 | device which permits the selection of the quantity to be measured and which automatically stops the flow of the <u>liquid water</u> at the end of the measurement of the selected quantity | <i>Note</i> : The pre-set quantity may be the volume, the mass or the related price to pay. | 0337900420 |
| 1581-18 | pre-setting device | according to 3.15 of R 81:1998, 3.15 | the means used to select a quantity to be delivered and which automatically stops the flow of the liquid after the measurement and delivery of the selected quantity | | 01217 |
| 1582. | presetting device | R105:1993, T.7 | a device that permits the selection of the quantity to be measured and which automatically stops the flow of the liquid at the end of the measurement and delivery of the selected quantity | | 01024 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------|--|--|---|----------------------------|
| 1583.18 | presetting device | according to 3.2.9 of R_139-1:2022 14, 3.2.9 | device which permits the selection of the quantity value to be measured and which automatically stops the flow of the gas at the end of the measurement of the selected quantity | <i>Note:</i> The preset quantity value may be the mass or the related price to pay. | 0338002729 |
| 1584.18 | pre-setting device | according to 3.1.10 of R_49-1:2024 13, 3.1.10 | device that permits the selection of the quantity of water to be measured and which automatically stops the flow of water after the selected quantity has been measured | | 02378 |
| 1585.18 | pressure | according to T of R_53:1982 , T | gauge or vacuum pressure (see International Recommendations No's 17 and 19) to which the elastic sensing element can be submitted | | 00673 |
| 1586.18 | pressure in a blood vessel | according to 2.2 of R_16-1:2002 , 2.2 | pressure in the arterial system of the body | | 00307 |
| 1587.18 | pressure in a blood vessel | according to 2.2 of R_16-2:2002 , 2.2 | pressure in the arterial system of the body | | 00322 |
| 1588.18 | pressure loss Δp | according to 3.3.12 of R_49-1:2024 13, 3.3.12 | irrecoverable decrease in pressure, at a given <i>flow rate</i> (3.3.1), caused by the presence of the meter in the pipeline | | 02418 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------|---|---|-------|-----------------------|
| 1589.18 | pressure reference level | according to 2.6.2 of R_110:1994, 2.6.2 | the vertical level, with respect to a clearly defined part of the support column or the base of a pressure balance, to which a measured pressure is related when the piston is at a specific operating level | | 01440 |
| 1590.18 | price computing instrument | according to T.1.2.8 of R0_76-1:2006, T.1.2.8 | instrument that calculates the price to pay on the basis of the indicated weight value and the unit price | | 00883 |
| 1591.18 | price labeling instrument | according to T.1.2.9 of R0_76-1:2006, T.1.2.9 | price-computing instrument that prints the weight value, unit price and price to pay for prepackages | | 00884 |
| 1893. | primary display | according to 3.3.11.5 of R 61-1:2017, | digital display, either incorporated in the indicator housing, or in the terminal housing or realized as a display in sepatate housing (i.e. terminal without keys), e.g. for use in combination with a weighing module | | 03677 |
| 1894. | primary display | according to 2.2.8.7.1 of R 150-1:2020, | digital display, either incorporated in the indicator housing, or in the terminal housing or realized as a display in sepatate housing (i.e. terminal without keys), e.g. for use in combination with a weighing module | | 03386 |

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|--------------------|---------------------|--|---|--|-----------------------|
| 1592-18 | primary indication | according to 3.34 of R_81:1998, 3.34 | an indication (displayed, printed or memorized) that is subject to legal metrology control | <i>Note:</i> Indications other than primary indications are commonly referred to as secondary indications. | 01043 |
| 1593-18 | primary indication | according to 0.4.1.1 of R_106-1:2011, 0.4.1.1 | indication, signal or symbol that is subject to the requirements of this Recommendation | | 02601 |
| 1594-18 | primary indication | according to 3.1.3 of R_139-1:202214, 3.1.3 | indication (displayed, printed or memorized) which is subject to legal metrology control | <i>Note:</i> – Indications other than primary indications are commonly referred to as secondary indications. | 0338102702 |
| 1595-18 | primary indication | according to 3.2.3 of R_49-1:202413, 3.2.3 | indication which is subject to legal metrological control | | 02395 |
| 1596-18 | primary indication | according to T.2.1 of R_140:2007, T.2.1 | indication (displayed, printed or memorized) which is subject to legal metrological control | <i>Note:</i> Indications other than primary indications are commonly referred to as secondary indications. | 02067 |
| 1597-19 | primary indications | according to T.p.6 of R_117-1:201907, T.p.6 | one or more indications (displayed, printed or memorized) that are subject to legal metrology control | | 0338301590 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|---|-------|-----------------------|
| 1598.19 | primary indications | according to T.4.1.1 of R_107-1:2007, T.4.1.1 | indications, signals and symbols that are subject to the requirements of this Recommendation | | 01375 |
| 1599.19 | primary indications | according to T.1.3.1 of R_076-1:2006, T.1.3.1 | indications, signals and symbols that are subject to requirements of this Recommendation | | 00890 |
| 1600.19 | primary indications | according to T.1.10.1 of R_051-1:2006, T.1.10.1 | indications, signals and symbols that are subject to the requirements of this Recommendation | | 00574 |
| 1904. | primary indications | according to 3.5.1.1 of R 61-1:2017, | values of fills, signals and symbols that are subject to the requirements of this Recommendation | | 03678 |
| 1905. | primary indications | according to 2.4.1.1 of R 150-1:2020, | totalized quantity, signals and symbols that subject to the requirements of this Recommendation | | 03384 |
| 1906. | primary measurement standard primary standard | according to 3.17 of D 5:2022, | measurement standard established using a primary reference measurement procedure, or crated as an artifact, chosen by convention For examples see [VIM, 5.4] [VIM, 5.4] | | 03385 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|-------|
| 1601.19 | primary national Rockwell standardizing machine | according to 2.5 of R0_39:2006, 2.5 | primary Rockwell hardness standardizing machine used by a country's primary national laboratory for hardness standardization to standardize primary reference test blocks. The primary national laboratory for hardness standardization is usually a National Metrology Institute (NMI). | | 00383 |
| 1602.19 | primary rated register (for transformer operated meters) | according to 2.1.14 of R0_46-1:2012, 2.1.14 | register where the scale factor(s) due to the used instrument transformer(s) is considered such that the measured energy on the primary side of the instrument transformer(s) is indicated | | 02293 |
| 1603.19 | primary reference test block | according to 2.7 of R0_39:2006, 2.7 | reference test block that has been certified by a primary national laboratory for hardness standardization and assigned with a Rockwell hardness value that is directly traceable to a country's national hardness standards | | 00385 |
| 1604.19 | primary register | according to 2.2.33 of R_046-1:2012, 2.2.33 | register that is subject to the requirements of this Recommendation | | 02332 |
| 1605.19 | primary standard | according to 3.11 of D0_22:1991, 3.11 | a measurement standard which has the highest metrological qualities in a specific field | | 00156 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|--|---|-------|
| 1606:19 | primary standard solution | according to 1.1.1 of R0_56:1981, 1.1.1 | standard solution of which the conductivity is determined by means of the absolute method (see Vocabulary of legal metrology, point 5.2.4.). The constant of the cell is determined according to the definition given in point 1.3. below, as a function of the geometrical characteristics of the cell, expressed in SI units, without the use of another standard solution | | 00697 |
| 1607:19 | principal measurands | according to T.1.23 of R_140:2007, T.1.23 | the part of a package that is most likely to be displayed, presented, shown or examined under normal and customary conditions of display | | 02066 |
| 1608:19 | principal display panel | according to 2.10 of R0_79:2015, 1.10 | part of a prepackage that is designed to be visible under normal conditions of display for sale | <i>Note:</i> This is normally the main or front panel of the prepackage and there could be more than one. | 02489 |
| 1609:19 | principal gauge hatch | according to 3.15 of R0_85-1:2008, 3.15 | volume at metering conditions, volume at base conditions, mass or energy | | 02313 |
| 1610:19 | principal meridians | according to 3.6 of R0_93:1999, 3.6 | perpendicular sections of a lens containing the optical axis and having maximum and minimum refractive powers | <i>Note:</i> In general, the two principal meridians are perpendicular to each other (regular astigmatism). | 01129 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|-----------------------|
| 1611.19 | principal totalization indicating device | according to T.4.3.1 of R_107-1:2007, T.4.3.1 | totalization indicating device that indicates the sum of the weight values of all consecutive loads weighed and discharged to bulk. This device is not resettable to zero by the user | | 01381 |
| 1612.19 | principle of shared risk | according to 2.25 of D0_16:2011, 2.25 | signifies that the total uncertainty of a given measurement process, if sufficiently low as specified in the corresponding regulation, e.g. in an OIML Recommendation, is not taken into account when the decision on compliance with MPEs is made | | 02279 |
| 1613.19 | principle scale marks | according to 2.1.3 of R_035-1:2007, 2.1.3 | two scale marks, the distance between which represents the nominal length of the measure | | 00364 |
| 1614.19 | printing device | according to T.2.5.2 of R_134:20036, T.2.4.2 | means to print the weight value of a vehicle weighed on the instrument means to produce hard copies of the weighing results | | 0338701803 |
| 1615.19 | printing device | according to 2.2.7 of R_050-1:20141997, T.3.8.2 | a device for printing in units of mass device to produce a printout (see 2.4.3) of the weighing results | | 0338800507 |
| 1922. | printing device | according to 2.2.7 of R_150-1:2020 | device to produce a printout (see 2.4.3) of the weighing results | | 03389 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------|---|---|---|-----------------------|
| 1616-19 | printing device (printer) | according to 2.2.10 of R_021:2007, 2.2.10 | device used to produce hardcopies (printouts) of the measurement results | | 00359 |
| 1617-19 | printing device (printer) | according to T.2.5 of R_107-1:2007, T.2.5 | device to produce a printout (T.4.2.3) of the weighing result | | 01339 |
| 1618-19 | printout | according to 0.4.2.3 of R_106-1:2011, 0.4.2.3 | hard copy of the measurement results produced from a printer | | 02605 |
| 1619-19 | printout | according to T.4.2.3 of R_107-1:2007, T.4.2.3 | hardcopy of the weighing result produced from a printer | | 01379 |
| 1927. | printout | according to 2.4.3 of R 150-1:2020 | hardcopy of the measurement results produced from a printer | | 03390 |
| 1620-19 | prismatic power | according to 3.8 of R_93:1999, 3.8 | deviation of a ray of light through a specific point on a lens | <i>Note:</i> The unit for expressing prismatic power is the centimetre per metre (cm/m). The name for this unit is the “prism diopetre”, for which the symbol is D. | 01133 |
| 1621-19 | procedure | according to 3.12 of D_22:1991, 3.12 | the set of written directions necessary to use a method effectively | | 00157 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|--|---|-------|------------------|
| <u>1930.</u> | <u>process</u> | <u>according to 3.3 (G.3.3-1) of D 37:2022.</u> | <u>Processes are not relevant to issuing OIML certificates.</u> | | <u>03391</u> |
| 1622.19 | process refractometer | <u>according to 2.5 of R_108:1993, 2.6</u> | process refractometers are instruments in which the liquid is continuously supplied as a function of product transport but not as a feature of the instrument. The measuring procedure is performed independently of the liquid transport | | 01410 |
| 1623.19 | processor | <u>according to T.7 of R_125:1998, T.7</u> | a device which contains all the necessary information and receives all the necessary signals from the transducers thus enabling it to calculate the mass contained in the tank as well as other quantities. It may also store information, provide checking facilities for the information and communicate with ancillary devices | | 01621 |
| 1624. | processor | R129:2000, 2.4 | a device which contains all the necessary information and receives all the necessary signals from the measuring device to enable it to calculate the volume or other associated quantities. It may also store information, provide checking facilities for the information and communicate with auxiliary devices | | 01703 |

| | Term | Reference <u>to OIML Recommendation (R)</u> <u>or Document (D)</u> | Definition | Notes | ID |
|--------------------|---------|---|--|---|-------|
| 1625.19 | product | <u>according to 2.1.12 of R0_87:2016, 2.1.12</u> | all of the prepackage that is not packing material | <p><i>Note 1:</i> Product includes liquids or gasses that were put in the prepackage together with the product and that are not intended to be left over after use of the product (e.g. air in chocolate mousse).</p> <p><i>Note 2:</i> Product includes liquids or gasses that were not put in the prepackage with the product and that are intended to be left over after use of the product (e.g. liquid in mozzarella cheese, air in hair gel).</p> <p><i>Note 3:</i> Product includes liquids or gasses that were not put in the prepackage with the product and that are not intended to be left over after use of the product (e.g. curdling of yoghurt or honey).</p> | 02505 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|-------------------------|--|--|---|-----------------------|
| 1626.19 | Product | according to 2.11 of R0_79:2015, 1.11 | all of the prepackage that is not packing material | <p><i>Note 1:</i> – Product includes liquids or gasses that were put in the prepackage together with the product and that are not intended to be left over after use of the product (e.g. air in chocolate mousse).</p> <p><i>Note 2:</i> – Product includes liquids or gasses that were not put in the prepackage with the product and that are intended to be left over after use of the product (e.g. liquid in mozzarella cheese, air in hair gel).</p> <p><i>Note 3:</i> – Product includes liquids or gasses that were not put in the prepackage with the product and that are not intended to be left over after use of the product (e.g. curdling of yoghurt or honey).</p> | 02490 |
| 1935. | product | according to 3.2 (G.3.2-1) of D 37:2022. | The word “product” shall be understood as meaning the measuring instrument type (including families of measuring instruments, modules, or families of modules) subject to inspection/evaluation for the issuance of OIML certificates. | | 03392 |

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|-------------------------|--|---|---|-------|-----------------------|
| 1936. | product reference quantity | according to 3.4.2 of R 61-1:2017, | calculated quantity value equal to the mean of at least ten of the largest pieces of the product taken from one or more fills | | 03441 |
| 1937. | product test | according to 2.6.1 of R 150-1:2020, | test carried out on a complete instrument using the type of product that it is intended to weigh | | 03393 |
| 1627. | program code | D031:2008, 3.1.37 | source code or executable code | | 02204 |
| 1628.19 | protective interface | according to 0.2.7.3 of R_106-1:2011, 0.2.7.3 | <p>interface (hardware and/or software) which only allows the introduction of such data into the data processing device of an instrument, module or electronic component, which cannot:</p> <p>display data which are not clearly defined and which could be taken for a weighing result;</p> <p>falsify displayed, processed or stored weighing results or primary indications; or</p> <p>adjust the instrument or change any adjustment factor.</p> | | 02552 |

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| 1629:19 | protective interface | according to T.2.3.6 of R0_76-1:2006, T.2.3.6 | <p>interface (hardware and/or software) which only allows the introduction of such data into the data processing device of an instrument, module or electronic component, which cannot:</p> <p>display data which are not clearly defined and which could be taken for a weighing result;</p> <p>falsify displayed, processed or stored weighing results or primary indications; or</p> <p>adjust the instrument or change any adjustment factor, except releasing an adjustment procedure with incorporated devices or, in the case of class I instruments with external adjustment weights as well</p> | | 00909 |
| 1630:19 | protective interface | according to 2.2.7 of R0_21:2007, 2.2.7 | <p>interface which only allows the introduction of data into the data processing device of the taximeter, which cannot:</p> <ul style="list-style-type: none"> - display data that are not clearly defined and which could be taken as being a measurement result; - falsify displayed, processed or stored measurement results or primary indications; - adjust the instrument or change any adjustment factor | | 00350 |

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|--------------------|---------------------------------|--|--|-------|------------------|
| 1631.19 | protective interface | according to T.2.11 of R 107-1:2007, T.2.11 | interface (hardware and/or software) which only allows the introduction of such data into the data processing device of an instrument, which cannot: display data which are not clearly defined and which could be taken as being a weighing result; falsify displayed, processed or stored weighing results or primary indications; or adjust the instrument or change any adjustment factor, except releasing an adjustment procedure with incorporated devices | | 01356 |
| 1942. | protective interface | according to 3.3.10 of R 61-1:2017, | interface (hardware and/or software) which only allows the introduction of data or instructions that cannot influence the metrological properties of the instrument | | 03679 |
| 1943. | protective interface | according to 3.2.51 of D 31:2023, | legally relevant software module that handles all data flow to the legally relevant software modul(s) in order to prevent inadmissible influences | | 03394 |
| 1944. | protective interface | according to 2.2.11.2 of R 150-1:2020, | interface (hardware and/or software) which only allows the introduction into the instrument of data or instructions that cannot influence the metrological properties of instrument | | 03395 |

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|-----------------------|--|---|--|--|-----------------------|
| 1632.19 | protein content (PMB) | according to 2.2.13 of R_146-1:2016, 2.2.13 | concentration of protein in a grain sample, expressed as a percentage by mass, calculated at the basis moisture content (MB) | <i>Note:</i> When the specified MB is 0_%, the reported protein content is at 'dry basis' (i.e. P0_%). | 02811 |
| 1633.19 | protein measuring instrument; instrument; unit | according to 2.2.14 of R146-1:2016, 2.2.14 | instrument that infers the protein content in grain samples that are within the scope of its calibration | <i>Note:</i> An instrument may be approved with multiple calibrations in order to analyze more than one type of grain. | 02812 |
| 1634.19 | pump | according to T.p.7 of R_117-1:2007, T.p.7 | device which causes the liquid to flow through suction or pressure | | 0339601591 |
| 1635.19 | putting into service (use) | according to 2.21 of D0_16:2011, 2.21 | first use of an instrument, intended for the end user, for the purposes for which it was intended, the use being defined by the manufacturer | | 02274 |
| 1636.19 | putting into service (use) | according to 2.23 of D00_9:2004, 2.23 | moment of the first use by the end-user of a measuring instrument for the purposes for which it was designed | | 00205 |
| 1950. | putting into service (use) | according to 3.1.8 of R 126-1:2021, | moment of the first use by the end-user of a measuring instrument for the purposes for which it was designed (OIML D 9, 2.23) | | 03397 |

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|--------------------|---------------------------|---|---|---|-------|
| 1637.19 | pyrometer | according to 2.2.9 of R_147:2016, 2.2.9 | thermometer using the optical radiation of a source and indicating temperature values which are calibrated and traceable to (inter)national standards | | 02830 |
| 1638.19 | pyrometer-comparator | according to 2.2.10 of R_147:2016, 2.2.10 | device using the optical radiation of sources and indicating their temperature differences with no traceability needed (see 2.1.10) | | 02831 |
| 1639.19 | quality | according to 2.8 of D0_27:2001, 2.8 | degree to which a set of inherent characteristics fulfils requirements [ISO 9000:2000, 3.1.1] | <i>Note 1: 1-</i> The term “quality” can be used with adjectives such as poor, good or excellent. <i>Note 2: 2-</i> “Inherent” as opposed to “assigned” means existing in something, especially as a permanent characteristic. | 00170 |
| 1640.19 | quality control | according to 2.11 of D0_27:2001, 2.11 | part of quality management, focused on fulfilling quality requirements [ISO 9000:2000, 3.2.10] | | 00173 |
| 1641.19 | quality management system | according to 2.10 of D0_27:2001, 2.10 | management system to direct and control an organization with regard to quality [ISO 9000:2000, 3.2.3] | | 00172 |

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|--------------------|----------------------|---|--|--|-------|
| 1642.19 | quality manual | according to 2.12 of D0_27:2001, 2.12 | document specifying the quality management system of an organization [ISO 9000:2000, 3.7.4] | <i>Note:</i> Quality manuals can vary in detail and format to suit the size and complexity of an individual organization. | 00174 |
| 1643.19 | quality plan | according to 2.13 of D0_27:2001, 2.13 | document specifying which procedures and associated resources shall be applied by whom and when to a specific project, product, process or contract [ISO 9000:2000, 3.7.5] | <i>Note:</i> These procedures generally include those referring to quality management processes and to product realization processes. A quality plan often makes reference to parts of the quality manual or to procedure documents. A quality plan is generally one of the results of quality planning. | 00175 |
| 1644.19 | quality surveillance | according to 2.22 of D0_16:2011, 2.22 | form of metrological supervision aimed at establishing that the quality systems of manufacturers, manufacturers' representatives (in relation to conformity assessment procedures) or authorized private bodies, as applicable, comply with the regulatory or statutory requirements of a country or free trade area | | 02275 |

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|--------------------|-----------------------------|---|--|---|-------|
| 1645:19 | quality system surveillance | according to 2.24 of D009:2004, 2.24 | form of metrological supervision aimed at establishing that the quality systems of manufacturers, manufacturers' representatives (in relation to conformity assessment procedures) or authorized private bodies, as applicable, comply with the regulatory or statutory requirements of a country or free trade area | | 00206 |
| 1646:19 | quantity of gas | according to 3.2.1 of R_137:2012, 3.2.1 | total quantity of gas obtained by integrating the flow passed through the gas meter over time, which is expressed as volume V or mass m , disregarding the time taken. The quantity of gas is the measurand concerned (see 0) | | 02657 |
| 1647:19 | radiance temperature | according to 2.1 of R048:2004, 2.1 | temperature of a black body which has a radiance equal to the radiance of the object at a particular wavelength or narrow wavelength band | | 00401 |
| 1648:19 | radio frequency (r.f.) coil | according to 3.3 of R_116:2006, 3.3 | tube, wound around the outer quartz tube of the torch, through which the r.f. energy is transmitted to the argon | <i>Note:</i> This coil is generally water-cooled, consists of 3 or 4 turns, and is constructed of a copper tube that may be plated with silver or gold and is also known as the load coil | 01516 |

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|--------------------|------------------------------------|---|--|--|-------|
| 1649:19 | radiochromic film dosimeter | according to 4.2 of R_127:1999, 4.2 | <p>pecially prepared film that undergoes a change in optical absorbance when exposed to ionizing radiation.</p> <p>This change in absorbance may be related to absorbed dose in the surrounding material that is usually referenced as water</p> | | 01676 |
| 1650:19 | radiochromic film dosimetry system | according to 4.1 of R_127:1999, 4.1 | system used for determining absorbed dose, consisting of radiochromic film dosimeters and associated measurement instrumentation | | 01675 |
| 1651:19 | railway vehicle | according to 0.1.5 of R_106-1:2011, 0.1.5 | wagon or train to be weighed on an automatic rail-weighbridge | | 02526 |
| 1652:19 | random sampling | according to 2.1.13 of R_87:2016, 2.1.13 | sampling procedure where prepackages to be included in a sample are chosen randomly from the inspection lot (i.e. each prepackage in the inspection lot has an equal probability of being selected to be included in the sample) | <i>Note:</i> This is also referred to as “sampling without replacement”. | 02506 |

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|-----------------------|---|--|---|--|----------------------------|
| 1967. | range-finding based speed meter | according to 3.3.2 of R 91-1:2025, | speed meter emitting pulsed or modulated radiation and detecting the range (distance) from the radiation reflected by objects | Note: 2D and 3D laser scanners and hand-held LIDAR speed meters are examples belonging to this category. LIDAR (Light Detection and Ranging) is a remote sensing method that determines target range and speed based on the time-of-flight of laser light pulses reflected off a target. | 03778 |
| 1653.19 | range of operating speeds | according to 0.3.4.3 of R_106-1:2011, 0.3.4.3 | any speed in the range from the minimum and maximum operating speeds at which a wagon may be weighed-in-motion | | 02591 |
| 1654.19 | range of operating speeds operating speed range | according to T.3.4.4 of R_134:20036, T.3.4.3 | set of values between the minimum and maximum operating speeds at which a vehicle may be weighed in motion set of values specified by the manufacturer between the minimum and maximum operating speeds at which a vehicle may be weighed-in-motion | | 0341201816 |
| 1655.19 | rapid exhaust valve | according to 2.14 of R_16-1:2002, 2.14 | valve for rapidly exhausting the pneumatic system | | 00319 |
| 1971. | rapid exhaust valve | according to 2.10 of R 148-1:2020, | valve for rapidly exhausting the pneumatic system | | 03413 |

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|--------------------|-------------------------------|---|---|--|-----------------------|
| 1972. | rapid exhaust valve | according to 2.13 of R 149-1:2020, | valve for rapidly exhausting the pneumatic system | | 03414 |
| 1656.19 | rate of fall of the piston | according to 2.1.4 of R 110:1994, 2.1.4 | the speed of fall of the piston at its operating level under specified conditions | | 01423 |
| 1657.19 | rate of operation | according to T.3.4.1 of R 51-1:2006, T.3.4.1 | number of loads weighed automatically per unit of time | | 00641 |
| 1658.19 | rated minimum fill, (Minfill) | according to T.3.9 of R 61-1:2017 04 , T.3.9 | rated value of the fill below which the weighing results may be subject to errors outside the limits specified in this Recommendation rated value of the mass of the fill below which the weighing results may be subject to errors exceeding the required limitations specified in this Recommendation | for filling instruments which effect the fill by more than one weighing cycle, Minfill is larger than the minimum capacity (Min). <i>Note:</i> For AGFIs which accomplish the fill by more than one weighing cycle Minfill is larger than the minimum capacity, Min. | 0341500791 |

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|--------------------|----------------------------------|--|---|---|----------------------------|
| 1659.19 | rated operating condition ROC | according to 3.4.4 of R_49-1:2024 | operating condition requiring fulfilment during measurement in order that a meter perform as designed [SOURCE: ISO/IEC Guide 99:2007/OIML V 2-200:2012 (VIM) 4.9, [1] , 4.9 , modified — “requiring fulfilment” replaces “that must be fulfilled”; “meter” replaces “measuring instrument or measuring system”; “ note replaced the original note .”] | <i>Note:</i> The rated operating conditions specify intervals for the flow rate and for the influence quantities for which the errors (of indication) are required to be within the maximum permissible errors. | 02424 |
| 1660.19 | rated operating condition | according to 3.1.6 of R_139-1:2022 | operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [OIML V 2-200:2012, 4.9] [OIML V 1:2013, 0.08] | | 0341602705 |
| 1661.19 | rated operating condition | according to 2.1.9 of R_59-1:2016 | operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system performs as designed [VIM 4.9] | <i>Note:</i> Rated operating conditions generally specify intervals of values for a quantity being measured and for any influence quantity. | 02450 |

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|--------------------|---------------------------|---|---|--|-------|
| 1662.19 | rated operating condition | according to T.5.2 of R_107-1:2007, T.5.2 | conditions of use for which specified metrological characteristics of an instrument are intended to lie within given limits [VIM: 1993, 5.5] | <i>Note:</i> These conditions of use are the range of weight values and the range of influence quantity values for which the indication of an instrument is intended to lie within maximum permissible errors. | 01399 |
| 1663.19 | rated operating condition | according to 3.16 of D0_11:2013, 3.16 | operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIM 4.9][VIML 0.08] | <i>Note:</i> Rated operating conditions generally specify intervals of values for a quantity being measured and for any influence quantity. | 02232 |
| 1664.19 | rated operating condition | according to 1.7 of R_146-1:2016, 1.7 | {rated operating condition operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIM 4.9]} | {NOTE Rated operating conditions generally specify intervals of values for a quantity being measured and for any influence quantity} | 02788 |

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|--------------------|---------------------------------------|--|---|--|------------------|
| 1665.19 | rated operating condition | according to 2.2.26 of R_46-1:2012, 2.2.26 | operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed | <p><i>Note 1:</i> Rated operating conditions generally specify intervals of values for a quantity being measured and for any influence quantity.</p> <p>[OIML V2-200:2012, 4.9]</p> <p><i>Note 2:</i> For the application of this Recommendation, the terms “measuring instrument” and “measuring system” mean: electricity meter.</p> | 02325 |
| 1666.19 | rated operating conditions | according to T.30 of R_125:1998, T.30 | conditions of use giving the range of values of influence quantities for which the metrological characteristics are intended to lie within the specified maximum permissible errors (adapted from VIM:1993, 5.5) | | 01649 |
| 1667. | rated—operating conditions | R105:1993, T.25 | conditions of use, specifying the range of values of influence quantities for which the metrological characteristics are intended to lie within the maximum permissible errors [adapted from VIM:1993, 5.05] | | 01242 |

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|--------------------|--|--|--|-------|-----------------------|
| 1668:19 | rated operating conditions | according to 2.3.11 of R_129-1:2020 , 2.30 | conditions of use giving the range of values of influence quantities for which the metrological characteristics are intended to lie within the specified maximum permissible errors operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIM 4.9] | | 0341701731 |
| 1669:19 | rated operating conditions | according to 2.50 of R_80-1:2009 , 2.50 | conditions of use giving the range of values of influence quantities for which the specified metrological characteristics of a measuring instrument are intended to lie within given limits | | 02289 |
| 1986: | rated operating conditions | according to 2 of R 80-2:2017 , | conditions of use giving the range of values of influence quantities for which the specified metrological characteristics of a measuring instrument are intended to lie within given limits | | 03418 |
| 1670:19 | rated operating conditions | according to 6 of R_124:1997 , 6 | conditions of use, giving the range of values of influence quantities for which the metrological characteristics are intended to be within the specified maximum permissible errors (D 11 clause T.13). | | 01611 |

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|--------------------|----------------------------|---|---|---|-----------------------|
| 1671.19 | rated operating conditions | according to 0.5.2 of R_106-1:2011, 0.5.2 | conditions of use that give the ranges of the influence quantities for which the metrological characteristics are intended to lie within the specified maximum permissible errors | | 02619 |
| 1672.19 | rated operating conditions | according to 2.5.1 of R_110:1994, 2.5.1 | the conditions of use of a pressure balance for which its metrological characteristics are intended to meet the requirements concerning maximum permissible errors | | 01437 |
| 1673.19 | rated operating conditions | according to 3.1.8 and 3.8.4 of R0_60-1:202100, 2.5.2 | conditions of use, for which the metrological characteristics of the load cell are intended to lie within the specified mpe (see 2.4.9) operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIM 4.9] | The rated operating conditions generally specify ranges or rated values of the measurand and of the influence quantities [Adapted (From notes, refer to the VIM):1993, 5.5] | 0341900474 |
| 1674.19 | rated operating conditions | according to 2.3.4 of R0_35-1:2007, 2.3.4 | conditions of use, giving the range of values of influence quantities for which the metrological characteristics are intended to lie within the specified maximum permissible errors | | 00377 |

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|--------------------|----------------------------|---|--|-------|----------------------------|
| 1675.19 | rated operating conditions | according to 2.18 of R_144-1:2013, 1.18 | operating conditions that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIM, 4.9] [1] | | 02773 |
| 1676.19 | rated operating conditions | according to 3.2.17 of R_137:2012, 3.2.17 | conditions of use giving the range of values of the measurand and the influence quantities, for which the errors of the gas meter are required to be within the limits of the maximum permissible error | | 02673 |
| 1677.19 | rated operating conditions | according to T.5.2 of R_134:2003, T.5.2 | conditions of use which give the ranges of the influence quantities for which the metrological characteristics are intended to lie within the specified maximum permissible errors | | 0342001831 |
| 1678.19 | rated operating conditions | according to T.5.2 of R_136-1:2004, T.5.2 | conditions of use which give the ranges of the influence quantities for which the metrological characteristics are intended to lie within the specified maximum permissible errors | | 01918 |
| 1679.19 | rated operating conditions | according to T.5.2 of R_51-1:2006, T.5.2 | conditions of use, giving the ranges of the measurand and of the influence quantities for which the metrological characteristics are intended to lie within the maximum permissible errors specified in this Recommendation [VIM:1993, 5.5] | | 00667 |

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|--------------------|----------------------------|--|---|---|-----------------------|
| 1680-19 | rated operating conditions | <u>according to 3.6.2 of R0_61-1:201704, T.5.2</u> | conditions of use, giving the ranges of the measurand and of the influence quantities for which the metrological characteristics are intended to lie within the maximum permissible deviations specified in this Recommendation [based on VIM:1993, 5.5] <u>operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed (VIM, 4.9)</u> | <i>Note:</i> Rated operating conditions generally specify intervals of values for a quantity being measured and for any influence quantity. | 0342100812 |
| 1681-19 | rated operating conditions | <u>according to T.6.2 of R0_76-1:2006, T.6.2</u> | conditions of use, giving the range of values of influence quantities for which the metrological characteristics are intended to lie within the specified maximum permissible errors [VIM: 1993, 5.5] | | 00989 |

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|--------------------|----------------------------|---|---|---|----------------------------|
| 1682-19 | rated operating conditions | according to 2.5.2 of R0_50-1:2014 1997, T.6.2 | the conditions of use, giving the ranges of the measurand and of the influence quantities for which the metrological characteristics are intended to lie within the maximum permissible errors specified in this Recommendation [Adapted from VIM:1993, 5.5] operating conditions that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIM, 4.9] | <i>Note:</i> Rated operating conditions generally specify intervals of values for a quantity being measured and for any influence quantity. | 0342200533 |
| 1683-20 | rated operating conditions | according to 2.19 of R_143:2009, 2.19 | operating conditions that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIM:2007, 4.9] | | 02145 |
| 1684-20 | rated operating conditions | according to T.c.3.3 of R_117-1:2010 1907, T.c.3.3 | conditions of use, giving the range of values of influence quantities for which the metrological characteristics are intended to be within the maximum permissible errors | | 0342301547 |
| 1685-20 | rated operating conditions | according to 3.21 of R0_85-1:2008, 3.21 | conditions of use, giving the range of values of influence quantities for which the metrological characteristics are intended to lie within the specified permissible errors | <i>Note:</i> The rated operating conditions generally specify intervals of values for the quantity being measured and for any influence quantity. | 02319 |

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|--------------------|----------------------------|---|---|-------|-------|
| 1686-20 | rated operating conditions | according to 3.25 of R_99-1:2008, 3.25 | operating condition that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIM:2007, 4.9] | | 02359 |
| 1687-20 | rated operating conditions | according to 3.28 of R_81:1998, 3.28 | conditions of use, specifying the range of values of influence quantities for which the metrological characteristics are intended to be within the maximum permissible errors | | 01037 |
| 1688-20 | rated operating conditions | according to T.3.4 of R_140:2007, T.3.4 | conditions of use giving the range of values of influence quantities for which the metrological characteristics are intended to lie within the maximum permissible errors [adapted from VIM:2007, 4.9] | | 02095 |
| 1689-20 | rated operating conditions | according to 4.4 of R_75-1:2002, 4.4 | conditions of use for which specified metrological characteristics of a measuring instrument are intended to lie within the specified maximum permissible errors [adapted from VIM:1993, 5.5] | | 00854 |

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|-------------------------|--|---|---|--|-----------------------|
| 2007. | rated operating condition | according to 2.5.2 of R 150-1:2020, | operating conditions that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed [VIML:2013, 0.08] | Note: Rated operating conditions generally specify intervals of values for a quantity being measured and for any influence quantity. | 03424 |
| 2008. | rated operating conditio [VIM 4.9] | according to 3.14 of R 142-1:2025, | operating conditions that must be fulfilled during measurement in order that a measuring instrument or measuring system perform as designed | Note: Rated operating conditions generally specify intervals of values for a quantity being measured and for any influence quantity. | 03726 |
| 1690-20 | rated voltage, U_n | according to 4.3 of R 75-1:2002, 4.3 | voltage of the external power supply required to operate the heat meter, conventionally the voltage of the AC mains supply | | 00853 |
| 1691-20 | reading by simple juxtaposition | according to 0.4.3 of R 106-1:2011, 0.4.3 | reading of the weighing result by simple juxtaposition of consecutive figures giving the result, without the need for calculation | | 02606 |
| 1692-20 | reading by simple juxtaposition | according to T.4.2.1 of R 51-1:2006, T.4.2.1 | reading of the weighing result by simple juxtaposition of consecutive figures giving the weighing result, without the need | | 00652 |
| 1693-20 | reading by simple juxtaposition | according to T.4.4.1 of R 107-1:2007, T.4.4.1 | reading of the weighing result by simple juxtaposition of consecutive figures giving the result, without the need for calculation | | 01385 |

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|--------------------|---|---|--|-------|-----------------------|
| 1694-20 | reading by simple juxtaposition | according to T.5.4.1 of R0_76-:2006, T.5.4.1 | reading of the weighing result by simple juxtaposition of consecutive figures giving the weighing result, without the need of calculation | | 00973 |
| 2014. | reading by simple juxtaposition | according to 2.4.4 of R 150-1:2020, | reading of the weighing result by simple juxtaposition of consecutive figures giving the result, without the need of calculation | | 03425 |
| 1695-20 | real-time clock | according to of R0_21:2007, 2.2.2 | device incorporated into the taximeter that tracks the current time and date | | 00345 |
| 1696-20 | recognition of a standard | according to 2.2 of D00_8:2004, 2.2 | formal approval performed by the national (legal) metrology body (depending on national legislation), that the metrological and technical characteristics of a standard meet the statutory requirements for its intended use | | 00222 |
| 1697-20 | recovery | according to 3.4.11 of R0_49-1:202413, 3.4.11 | treatment of the <i>equipment under test</i> (3.1.170) , after conditioning (3.4.10) , in order that its properties can be stabilized before measurement | | 02431 |
| 1698-20 | rectangular box (rectangular parallelepiped) | according to 2.10 of R_129-1:202000, 2.10 | a polyhedron having six faces that are parallel in pairs having all dihedral angles as right angles; each face is a parallelogram and adjacent edges are perpendicular | | 0342601709 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|--|--|---|-------|
| 1699-20 | reduction ratio, R | according to T.3.3 of R0_76-1:2006, T.3.3 | The reduction ratio of a load transmitting device is: $R = F_M / F_L$ where: F_M = force acting on the load measuring device, F_L = force acting on the load receptor | | 00954 |
| 1700-20 | reference (or working) standard | according to 3.3 of R0_81:1998, 3.3 | a standard, traceable to national standards, used for the verification of cryogenic liquid measuring devices and systems | <u>Note:</u> This is usually referred to as “master meter” in this field. | 01012 |
| 1701-20 | reference (quantity) value | according to 3.16 of R0_99-1:2008, 3.16 | quantity value used as a basis for comparison with values of quantities of the same kind [VIM:2007, 5.18] | | 02350 |
| 1702-20 | reference condition | according to 3.4.5 of R0_49-1:202413, 3.4.5 | operating condition prescribed for evaluating the performance of a meter or for comparison of measurement results [SOURCE: ISO/IEC Guide 99:2007/OIML V 2-200:2012 (VIM) 4.11, [1], modified — “meter” replaces “measuring instrument or measuring system”; original notes removed.] | | 02425 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|---|---|---|----------------------------|
| 1703-20 | reference condition | according to 3.1.7 of R_139-1:2022 14 , 3.1.7 | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results [OIML V_2-200:2012, 4.11] [OIML V_1:2013, 0.09] | | 0342702706 |
| 1704-20 | reference condition | according to 2.1.10 of R_59-1:2016 , 2.1.10 | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results [VIM 4.11] | <i>Note 1:</i> Reference conditions specify intervals of values of the measurand and influence quantities. <i>Note 2:</i> In IEC 60050-300, item 311-06-02, the term “reference condition” refers to an operating condition under which the specified instrumental measurement uncertainty is the smallest possible. | 02451 |
| 1705-20 | reference condition | according to 2.20 of R_144-1:2013 , 1.20 | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results [VIM, 4.11] [1] | | 02775 |
| 1706-20 | reference condition | according to 2.21 of R_143:2009 , 2.21 | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results [VIM:2007, 4.11] | | 02147 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|--|-------|
| 1707-20 | reference condition | according to 3.28 of R_99-1:2008, 3.28 | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results [VIM:2007,4.11] | | 02362 |
| 1708-20 | reference condition {reference operating condition} | according to 2.1 Tabl. 1.8 of R_146-1:2016, 1.8 | {operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results [VIM 4.11]} | { NOTE 1 Reference operating conditions specify intervals of values of the measurand and of the influence quantities. NOTE 2 In IEC 60050-300, item 311-06-02, the term “reference condition” refers to an operating condition under which the specified instrumental measurement uncertainty is the smallest possible.} | 02789 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|-------------------------------------|---|--|--|-----------------------|
| 1709.20 | reference condition | according to 2.2.27 of R0_46-1:2012, 2.2.27 | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results | <p><i>Note 1:</i> Reference operating conditions specify intervals of values of the measurand and of the influence quantities.</p> <p><i>Note 2:</i> In IEC 60050-300, item 311-06-02, the term “reference condition” refers to an operating condition under which the specified instrumental measurement uncertainty is the smallest possible.</p> <p>[OIML V2-200:2012, 4.11]</p> <p><i>Note 3:</i> For the application of this Recommendation, the terms “measuring instrument” and “measuring system” mean: electricity meter.</p> | 02326 |
| 2030. | reference condition | according to 2.5.3 of R 150-1:2020, | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results | <p>Note: Reference conditions specify intervals of values of the measurand and influence quantities.</p> <p>[Adapted from VIML:2013, 0.09 – part of note omitted]</p> | 03428 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|-----------------------|
| 2031. | reference condition [VIM 4.11] | according to 3.15 of R 142-1:2025, | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results | Note 1: Reference conditions specify intervals of values of the measurand and influence quantities. Note 2: In IEC 60050-300, item 311-06-02, the term "reference condition" refers to an operating condition under which the specified instrumental measurement uncertainty is the smallest possible. | 03727 |
| 1710. | reference conditions | R105:1993, T.26 | a set of specified values of influence factors fixed to ensure valid intercomparison of results of measurements [adapted from VIM:1993, 5.07] | | 01243 |
| 1711.20 | reference conditions | according to T.31 of R_125:1998, T.31 | a set of specified values of influence factors fixed to ensure valid intercomparisons of results of measurements (adapted from VIM:1993, 5.7) | | 01650 |
| 1712.20 | reference conditions | according to 2.31 of R_129-1:202000, 2.31 | a set of specified values of influence factors fixed to ensure valid intercomparison of results of measurements [VIM 4.11] | | 0342901732 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--------------------------------------|--|---|--|-----------------------|
| 1713-20 | reference conditions | according to 3.32 of R 81:1998, 3.32 | a set of specified values of influence factors to ensure valid inter-comparisons of the results of a measurement | | 01041 |
| 1714-20 | reference conditions | according to 2.51 of R 80-1:2009, 2.51 | conditions of use prescribed for testing the performance of a measuring instrument or for intercomparison of results of measurements | <i>Note:</i> The reference conditions generally include reference values or reference ranges for the influence quantities affecting the measuring instrument. | 02290 |
| 2036. | reference conditions | according to 2 of R 80-2:2017, | conditions of use prescribed for testing the performance of a measuring instrument or for intercomparison of results of measurements | Note: The reference conditions generally include reference values or reference ranges for the influence quantities affecting the measuring instrument. | 03430 |
| 1715-20 | reference conditions | according to 7 of R 124:1997, 7 | a set of specified values of influence factors fixed to ensure valid inter-comparison of results (adapted from VIM:1993, clause 5.7 in D 11 clause T.14) | | 01612 |

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|--------------------|----------------------------------|--|--|---|-----------------------|
| 1716-20 | reference conditions | according to 0.5.3 of R_106-1:2011, 0.5.3 | conditions of use prescribed for testing the performance of a measuring instrument or for inter-comparison of results of measurements | <i>Note:</i> The reference conditions generally include reference values or reference ranges for influence quantities affecting the measuring instrument. [VIM 5.7] | 02620 |
| 1717-20 | reference conditions | according to 2.5.2 of R_110:1994, 2.5.2 | the conditions of use prescribed for testing the performance of a pressure balance or for intercomparison of measurement results | | 01438 |
| 1718-20 | Reference (operation) conditions | according to 3.8.5 of R_60-1:2010, 2.5.3 | operating conditions of use prescribed for testing the performance of a load cell measuring instrument or measuring system or for the intercomparison of measurement results of measurements [VIM 4.11] | The reference conditions generally include reference values or reference ranges for the influence quantities affecting the load cell. [Adapted from VIM:1993, 5.7] (For noters, refer to the VIM). | 0343100749 |
| 1719-20 | reference conditions | according to 2.3.5 of R_35-1:2007, 2.3.5 | set of specified values of influence factors fixed to ensure valid intercomparison of the results of measurements | | 00378 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|---|---|---|-----------------------|
| 1720.20 | reference conditions | according to T.5.3 of R_134:20036 , T.5.3 | conditions of use prescribed for testing the performance of a measuring instrument or for intercomparison of results of measurements. | <i>Note:</i> The reference conditions generally include reference values or reference ranges for influence quantities affecting the measuring instrument. [VIM:1993, 5.7] | 0343201832 |
| 1721.20 | reference conditions | according to T.5.3 of R_107-1:2007 , T.5.3 | conditions of use prescribed for testing the performance of an instrument or for intercomparison of results of measurements [VIM: 1993, 5.7] | | 01400 |
| 1722.20 | reference conditions | according to T.5.3 of R_051-1:2006 , T.5.3 | set of specified values of influence factors fixed to ensure valid intercomparison of the results of measurements [based on VIM:1993, 5.7] | | 00668 |
| 1723. | reference conditions | R051-1:2006, T.5.3 | set of specified values of influence factors fixed to ensure valid inter comparison of the results of measurements | | 00668 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|---|--|---|-----------------------|
| 1724.20 | reference conditions | according to 3.6.3 of R_61-1:2017 04 , T.5.3 | set of specified values of influence factors fixed to ensure valid intercomparison of the results of measurements [based on VIM:1993, 5.7] operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results (VIM 4.11) | <i>Note:</i> Reference operating conditions specify intervals of values of the measurand and of the influence quantities. | 0343300813 |
| 1725.20 | reference conditions | according to T.5.3 of R_136-1:2004 , T.5.3 | set of specified values of influence factors fixed to ensure valid intercomparison of the results of measurements [VIM:1993, 5.7] | | 01919 |
| 1726.20 | reference conditions | according to 2.5.3 of R_50-1:2014 1997 , T.6.3 | a set of specified values of influence factors fixed to ensure a valid intercomparison of measurement results [Adapted from VIM:1993, 5.7] operating conditions prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results (VIM, 4.11) | <i>Note:</i> Reference operating conditions specify intervals of values of the measurand and of the influence quantities. | 0343400534 |

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|--------------------|----------------------|---|---|---|-----------------------|
| 1727-20 | reference conditions | according to T.6.3 of R0_76-1:2006, T.6.3 | set of specified values of influence factors fixed to ensure valid inter-comparison of the results of measurements | | 00990 |
| 1728-20 | reference conditions | according to 3.22 of R0_85-1:2008, 3.22 | set of specified values of influence factors fixed to ensure valid intercomparisons of the results of measurements | <i>Note:</i> Reference conditions generally specify intervals of values for any influence quantity. | 02320 |
| 1729-20 | reference conditions | according to T.c.3.4 of R_117-1:201907, T.c.3.4 | set of specified values of influence factors fixed to ensure valid intercomparison of results of measurements | | 0343501548 |
| 1730-20 | reference conditions | according to T.3.5 of R_140:2007, T.3.5 | set of reference values or reference ranges of influence factors prescribed for testing the performance of a measuring system or a device or for intercomparisons of the results of measurements [adapted from VIM:2007, 4.11] | | 02096 |
| 1731-20 | reference conditions | according to 4.5 of R0_75-1:2002, 4.5 | conditions of use prescribed for testing the performance of a measuring instrument or for intercomparison of results of measurements [VIM:1993, 5.7]. | | 00855 |

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|--------------------|--------------------------------------|---|--|--|-------|
| 1732-20 | reference conditions | according to 3.10 of R_71:2008, 3.10 | reference conditions applicable for the calibration certificate | | 02234 |
| 1733-20 | reference conditions | according to 3.2.18 of R_137:2012, 3.2.18 | set of reference values, or reference ranges of influence quantities, prescribed for testing the performance of a gas meter, or for the intercomparison of the results of measurements | | 02674 |
| 1734-20 | reference flux (Φ_r) | according to 2.11 of R_135:2004, 2.11 | radiant luminous flux of monochromatic radiation transmitted by an optical cell containing the solution used as reference and reaching the detector | <u>Note:</u> The coherent SI unit is the watt (W). | 01850 |
| 1735-20 | reference force measuring instrument | according to 3.4 of R_65:2006, 3.4 | force measuring instrument that has been calibrated and tested with force standards traceable to national standards | | 00821 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|---|---|--|-------|
| 1736-20 | reference gas | according to 3.34 of R0_99-1:2008, 3.34 | gas mixture of sufficient stability and homogeneity whose composition is properly established for use in various performance tests | Note 1: 1. Adapted from ISO 7504, 4.1 (calibration gas mixture) and 4.1.1 (reference gas mixture) and “VIM”, 5.13 (reference material) and 5.14 (certified reference material); Note 2: 2. In the referent ISO Standards, the expression “calibration gas” is generally used; Note 3: 3. See also Annex B. | 02370 |
| 1737-20 | reference gas adjustment facility | according to 3.11 of R0_99-1:2008, 3.11 | facility to adjust the instrument to the value of a reference gas | | 02344 |
| 1738-20 | reference height | according to 3.8 of R0_71:2008, 3.8 | distance between the dipping datum point and the upper reference point | | 02232 |
| 1739-20 | reference height (H) | according to 2.17 of R0_80-1:2009, 2.17 | distance, measured along the vertical measurement axis, between the reference point top and the reference point bottom (see figure 1) ¹⁴ | (see figure 1) | 02256 |

¹⁴ [see Annex A of OIML G18](#)

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|---|--|---|-----------------------|
| 2061. | reference height (H) | according to 2 of R 80-2:2017, | distance, measured along the vertical measurement axis, between the reference point top and the reference point bottom (see figure 1) | | 03436 |
| 1740.20 | reference height, H | according to T.9 of R 95:1990, T.9 | the distance between the dipping datum point and the upper reference point, measured along the vertical measurement axis | | 01145 |
| 1741.20 | reference instrument | according to T.1.5 of R 136-1:2004, T.1.5 | measuring instrument having one or more metrological property qualities that are well established to be used for the verification of an apparatus or the verification of a measurement method | | 01884 |
| 1742.20 | reference material | according to 3.13 of D 22:1991, 3.13 | a material or substance one or more properties of which are sufficiently well established to be used for the calibration of an apparatus, the assessment of a measurement method, or for assigning values to materials | | 00158 |
| 2065. | reference material | according to 3.8 of R 123:1997, | Material or substance one or more of whose property values are sufficiently homogeneous and well established to be used for the calibration of an apparatus, the assessment of a measurement method, or assigning values to materials. | Note: This term does not necessarily mean a certified reference standard. | 03437 |

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| 1743-20 | reference material (RM) | according to 2.1 of D0_18:2008, 2.1 | material, sufficiently homogeneous and stable with reference to specified properties, which has been established to be fit for its intended use in measurement or in examination of nominal properties [VIM:2007, 5.13] | | 02152 |

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|--------------------|-------------------------|--|---|--|-------|
| 1744.20 | reference material (RM) | according to 2.1 Tab. 1.9 of R_146-1:2016, 1.9 | <p>{material, sufficiently homogeneous and stable with reference to specified properties, which has been established to be fit for its intended use in measurement or in examination of nominal properties</p> <p>[VIM 5.13]}</p> | <p>{NOTE 1 Examination of a nominal property provides a nominal property value and associated uncertainty. This uncertainty is not a measurement uncertainty.</p> <p>NOTE 2 Reference materials with or without assigned quantity values can be used for measurement precision control whereas only reference materials with assigned quantity values can be used for calibration or measurement trueness control.</p> <p>NOTE 3 'Reference material' comprises materials embodying quantities as well as nominal properties. EXAMPLE 1 Examples of reference materials embodying quantities: a) water of stated purity, the dynamic viscosity of which is used to calibrate viscometers; b) human serum without an assigned quantity value for the amount-of-substance concentration of the inherent cholesterol, used only as a measurement precision control material; c) fish tissue containing a stated mass fraction of a dioxin, used as a calibrator.</p> <p>EXAMPLE 2 Examples of reference materials embodying</p> | 02790 |
|--------------------|-------------------------|--|---|--|-------|

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|--|--|--|--|--|--|
| | | | | <p>nominal properties: a) colour chart indicating one or more specified colours; b) DNA compound containing a specified nucleotide sequence; c) urine containing 19-androstenedione.</p> <p>NOTE 4 A reference material is sometimes incorporated into a specially fabricated device.</p> <p>EXAMPLE 1 Substance of known triple-point in a triple-point cell. EXAMPLE 2 Glass of known optical density in a transmission filter holder.</p> <p>EXAMPLE 3 Spheres of uniform size mounted on a microscope slide.</p> <p>NOTE 5 Some reference materials have assigned quantity values that are metrologically traceable to a measurement unit outside a system of units. Such materials include vaccines to which International Units (IU) have been assigned by the World Health Organization.</p> <p>NOTE 6 In a given measurement, a given reference material can only be used for either calibration or quality assurance.</p> <p>NOTE 7 The specifications of a reference material should include</p> | |
|--|--|--|--|--|--|

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| | | | | <p>its material traceability, indicating its origin and processing (Accred. Qual. Assur.:2006)[45].</p> <p>NOTE 8 ISO/REMCO has an analogous definition[45] but uses the term “measurement process” to mean ‘examination’ (ISO 15189:2007, 3.4), which covers both measurement of a quantity and examination of a nominal property}</p> | |
| 2068. | reference material RM | according to 3.20 of D 5:2022, | material, sufficiently homogeneous and stable with reference to specified properties, which has been established to be fit for its intended used in measurement or in examination of nominal properties | For examples and notes see [VIM3, 5.13]. | 03438 |
| 2069. | reference material RM | according to 3.20 of D 10:2022, | material, sufficiently homogeneous and stable with reference to specified properties, which has been established to be fit for its intended used in measurement or in examination of nominal properties (VIM3, 5.13) | Note: For notes see VIM3, 5.13. | 03439 |

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|-----------------------|--|---|---|--|-----------------------|
| 1745-20 | reference material for absorbance | according to 2.16 of R_135:2004, 2.16 | material of sufficient homogeneous and well-established absorbance to be used for the calibration or control of spectrophotometers | <i>Note 1:</i> 1. It may be in the form of a liquid or solid; for example a glass filter. <i>Note 2:</i> 2. Adapted from ISO Guide 30 and VIM, clause 6.13. | 01855 |
| 2071. | reference measurement standard reference standard | according to 3.18 of D 5:2022, | measurement standard designated for the calibration of other measurement standards for quantities of given kind in a given organization or at given location [VIM3, 5.6] | | 03440 |
| 1746-20 | reference operating condition | according to 3.17 of D0_11:2013, 3.17 | operating condition prescribed for evaluating the performance of a measuring instrument or measuring system or for comparison of measurement results [VIM 4.11][VIML 0.09] | <i>Note:</i> Reference operating conditions specify intervals of values of the measurand and of the influence quantities. | 02233 |
| 1747. | reference — particle mass of a product | R061-1:2004, T.3.2 | mass equal to the mean of ten of the largest particles or pieces of the product taken from one or more fills | | 00784 |
| 1748-20 | reference point | according to T.4 of R0_53:1982, T.4 | that part of the elastic sensing element, whose displacement is converted into an indication of the instrument | | 00676 |

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|--------------------|--|--|--|-------|-----------------------|
| 1749-20 | reference point | according to 2.14 of R 80-1:2009, 2.14 | point clearly identified on the vertical measurement axis, with reference to which the liquid level is measured | | 02253 |
| 2075. | reference point | according to 2 of R 80-2:2017, | point clearly identified on the vertical measurement axis, with reference to which the liquid level is measured | | 03442 |
| 1750-20 | reference point | according to 3.7 of R 133:2002, 3.7 | temperature usually at a physical phase transition, such as the ice point or triple point of water, at which a thermometer is checked for changes in bulb volume and for separation of the liquid in the capillary | | 01780 |
| 2077. | reference point | according to 3.4.2 of R 91-1:2025, | point on the housing of the speed meter which serves as a reference for all distance measurements to the speed meter (see Figure 2) | | 03779 |
| 1751-20 | reference point bottom (RPB) | according to 2.16 of R 80-1:2009, 2.16 | reference point in the lower part of the tank, under normal operating conditions below the liquid level | | 02255 |
| 2079. | reference point bottom (RPB) | according to 2 of R 80-2:2017, | reference point in the lower part of the tank, under normal operating conditions below the liquid level | | 03443 |
| 1752-20 | reference point top (RPT) | according to 2.15 of R 80-1:2009, 2.15 | reference point in the upper part of the tank, under normal operating conditions above the liquid level | | 02254 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|-------|------------------|
| 2081. | reference point top (RPT) | according to 2 of R 80-2:2017, | reference point in the upper part of the tank, under normal operating conditions above the liquid level | | 03444 |
| 1753-20 | reference position | according to 2.39 of R0_80-1:2009, 2.39 | position for the discharge (or loading) of the measuring tank in accordance with the design drawing. It is the basis for the inclination correction function. The zero point of the inclination represents the zero point for both (longitudinal and transversal) inclinations | | 02278 |
| 2083. | reference position | according to 2 of R 80-2:2017, | position for the discharge (or loading) of the measuring tank in accordance with the design drawing. It is the basis for the inclination correction function. The zero point of the inclination represents the zero point for both (longitudinal and transversal) inclinations | | 03445 |
| 1754-20 | reference position | according to T.6.4 of R0_76-1:2006, T.6.4 | position of the instrument at which its operation is adjusted | | 00991 |
| 1755-20 | reference quantity value reference value | according to 2.1.11 of R0_59-1:2016, 2.1.11 | quantity value used as a basis for comparison with values of quantities of the same kind [VIM 5.18] | | 02452 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|--|-------|
| 1756.20 | reference quantity value {reference value} | according to 2.1 Tab. 1.10 of R_146-1:2016, 1-10 | {quantity value used as a basis for comparison with values of quantities of the same kind [VIM 5.18]} | <p>{NOTE 1 A reference quantity value can be a true quantity value of a measurand, in which case it is unknown, or a conventional quantity value, in which case it is known. NOTE 2 A reference quantity value with associated measurement uncertainty is usually provided with reference to a) a material, e.g. a certified reference material, b) a device, e.g. a stabilized laser, c) a reference measurement procedure, d) a comparison of measurement standards}</p> <p>In this Recommendation, the P_{MB} of the whole-grain CRM is the reference quantity value used to assess the measurement accuracy at verification and to assess the accuracy of calibrations at type evaluation. Where a CRM is not used, the reference quantity value is the mean P_{MB} at reference conditions prior to a test.</p> | 02791 |

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|-------|---|--|---|---|-------|
| 2087. | reference quantity value reference value | according to 3.21 of D 10:2022, | quantity value used as a basis for comparison with values of quantities of the same kind (VIM3, 5.18) | <p><i>Note 1:</i> A reference quantity value can be a true quantity value of a measurand, in which case it is unknown, or a conventional quantity value, in which case it is known.</p> <p><i>Note 2:</i> A reference quantity value with associated measurement uncertainty is usually provided with reference to</p> <p>a) a material, e.g. a certified reference material,</p> <p>b) a device, e.g. a stabilized laser,</p> <p>c) a reference measurement procedure, or</p> <p>d) a comparison of measurement standards.</p> | 03446 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|-------|
| 2088. | reference quantity value; reference value [VIM 5.18] | according to 3.16 of R 142-1:2025, | quantity value used as a basis for comparison with values of quantities of the same kind | <p><i>Note 1:</i> A reference quantity value can be a true quantity value of a measurand, in which case it is unknown, or a conventional quantity value, in which case it is known.</p> <p><i>Note 2:</i> A reference quantity value with associated measurement uncertainty is usually provided with reference to a) a material, e.g. a certified reference material, b) a device, e.g. a stabilized laser, c) a reference measurement procedure, or d) a comparison of measurement standards.</p> | 03728 |
| 1757-20 | reference sample | according to 3.10 of R 82:2006, 3.10 | liquid or gaseous reference material containing an accurately known concentration of the sample components of interest and used for testing or calibration of the instrument | | 01054 |
| 1758-20 | reference standard solution | according to 3.4 of R 100-1:2013, 3.4 | solution containing an accurately known concentration of a sample element or elements of interest and that is used for testing and calibrating the instrument | | 02515 |

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|--------------------|--|--|--|-------|----------------------------|
| 1759-20 | reference standard solution | according to 3.9 of R_116:2006, 3.9 | solution with an accurately known concentration of a sample element or elements of interest used for testing and calibrating an instrument | | 01522 |
| 1760-20 | reference test block | according to 2.6 of R_39:2006, 2.6 | hardness test block that has been certified to have a Rockwell hardness value that is traceable to a specific Rockwell hardness standard. Reference test blocks are used for the indirect verification and the daily verification of Rockwell hardness machines | | 00384 |
| 1761-20 | reference value (of the hectoliter mass of a cereal grain) | according to 1.2 of R_15:1974, 1.2 | the 'reference value' of the hectolitre mass of a cereal grain is that obtained by making the measurement with a national Standard Instrument | | 00305 |
| 1762-20 | reference value for accuracy class, (Ref(x)) | according to 3.5.3 of R_61-1:2004, 3.5.3 | value for accuracy class determined by static testing of the weighing unit during influence quantity testing at type approval stage. Ref(x) is equal to the best accuracy class for which the instrument may be verified for operational use value for accuracy class specified by the manufacturer for the purpose of static testing of the weighing module during influence quantity testing at type evaluation stage. Ref(x) is equal to the best accuracy class for which the AGFI may be verified for operational use | | 0344700808 |

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|--------------------|--|---|--|-------|-----------------------|
| 1763.20 | reference values of the measurand, RVM | according to 4.11 of R_75-1:2002, 4.11 | specified set of values of the flow rate, the return temperature and the temperature difference, fixed to ensure valid intercomparison of the results of measurements | | 00867 |
| 1764.20 | reference vehicle | according to T.7.3 of R_134:2003, T.7.2 | vehicle of known weight that is typical of those to be used for weighing on the instrument and which has been selected for the purposes of in-motion testing vehicles having a known conventional true value (T.1.9) of: - mass, and single-axle load of a two-axle rigid vehicle; and - mass of other vehicles used for in-motion tests (6.5), determined on a control instrument (T.1.8) | | 0344801839 |
| 1765.20 | reference wagon | according to 0.1.7 of R_106-1:2011, 0.1.7 | wagon weighed on the control instrument for temporary use as a mass standard for in-motion testing | | 02528 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------|--|---|---|------------------|
| 1766-20 | refractometer | according to 3.1 of R_142-1:202508, 2.1 | instrument for measuring the refractive index. If the refractometer is provided with another scale or an additional scale calibrated in the units of the fraction of soluble dry substances in aqueous solutions, which are recognized by the international organizations, e.g. the International Sucrose Mass Fraction Scale, %mass (Brix), then the refractometer shall be accompanied by a conversion table for the refractive index values | Note: If the refractometer is provided with another scale or an additional scale calibrated in the units of the fraction of soluble dry substances in aqueous solutions, which are recognized by the international organizations, e.g. the International Sucrose Mass Fraction Scale, %mass (Brix), then the refractometer shall be accompanied by a conversion table for the refractive index values | 02116 |
| 1767-20 | refractometer | according to 2.1 of R_108:1993, 2.1 | refractometers are instruments for measuring the refractive index. If they are provided with appropriate scales, they are used to determine the content of sugar in liquids, in which case the relation between the mass fraction and the refractive index shall have been specified (see 3) | | 01406 |
| 1768-21 | register | according to 2.1.13 of R_46-1:2012, 2.1.13 | part of the meter that stores the measured values. | <i>Note:</i> The register may be an electromechanical device or an electronic device and may be integral to the indicating device. | 02292 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|---|----------------------------|
| 1769-21 | register multiplier | according to 2.1.15 of R_046-1:2012, 2.1.15 | constant with which the register reading shall be multiplied to obtain the value of the metered energy | | 02294-- |
| 2102. | regulatory designating authority | according to G.3-2 of D 37:2022, | governmental or public body that is asked with designating and inspection body | | 03449 |
| 1770-21 | relative DR or Z relative minimum dead load output return (Z) | according to 3.5.14 of R_60-1:200021, 2.3.13 | ratio of the maximum capacity, E_{max}, to two times the minimum dead load output return, DR. This ratio is used to describe multi-interval instruments ratio of the maximum measuring range, to two times the minimum dead load output return, DR | Note: This ratio is used to describe multi-interval instruments. | 0345000724 |
| 2104. | relative minimum load cell verification interval (Y) | according to 3.5.15 of R 60-1:2021, | ratio of the maximum measuring range, to the minimum load cell verification interval, v_{min} | Note: This ratio describes the resolution of the load cell independent from the load cell capacity. | 03451 |
| 1771-21 | relative error | according to 2.15 of R_144-1:2013, 1.15 | absolute error of measurement divided by the reference value of the measurand | | 02770 |
| 1772-21 | relative error | according to 2.16 of R_143:2009, 2.16 | error of measurement divided by the reference value of the measurand | | 02142 |
| 1773-21 | relative error | according to T.22.2 of R_125:1998, T.22.2 | The absolute error of measurement divided by the conventional true value of the measurand (VIM:1993,3.12) | | 01639 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|----------------------------|
| 1774.21 | relative error | according to 3.19 of R_99-1:2008, 3.19 | error of measurement divided by the conventional true quantity value of the measurand | | 02353 |
| 1775.21 | relative error | according to T.2.5 of R_140:2007, T.2.5 | error of measurement divided by a true value of the measurand | | 02071 |
| 1776.21 | relative error (of indication) | according to T.e.4.2 of R_117-1:201907, T.e.4.2 | error (of indication) divided by the reference (true) quantity | | 0345201560 |
| 1777.21 | relative error of indication | according to 2.2.17 of R_46-1:2012, 2.2.17 | indication minus reference quantity value, divided by the reference quantity value | <p><i>Note 1:</i> The relative error is usually expressed as a percentage of the reference quantity value.</p> <p><i>Note 2:</i> Since this Recommendation deals only with relative error, the short form “error” is used for relative error.</p> | 02316-- |
| 1778.21 | relative instrumental spectral function; detected radiant power spectrum | according to 2.20 of R_135:2004, 2.20 | function proportional to the product of the relative spectral distribution of the radiant energy, the relative spectral transmittance of all optical parts and the relative spectral sensitivity of the detector | <p><i>Note 1:</i> Adapted from [5], clause 2.</p> <p>2. <i>Note 2:</i> The relative instrumental spectral function generally has different values for each particular wavelength.</p> | 01859 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|-------|------------------|
| 1779. | relative v_{\min} or Y | R060:2000, 2.3.14 | ratio of the maximum capacity, E_{\max}, to the minimum load cell verification interval, v_{\min}. This ratio describes the resolution of the load cell independent from the load cell capacity | | 00725 |
| 2113. | relative resistance W_t^1 of the resistance thermometer at the temperature t | according to 2.3 of R 84:2003, | Ratio of the thermometer resistance at the temperature t to its resistance at the temperature 0 °C. | | 03453 |
| 1780.21 | remote display | according to T.2.7.6 of R_107-1:2007, T.2.7.6 | terminal without keys that can be used for the primary indications or for their repetition | | 01347 |
| 2115. | remote verificatin | according to 3.2.52 of D 31:2023 | set of procedures to support verification of an instrument during use, potentially without a person on site | | 03697 |
| 1781.21 | repeatability | according to T.26 of R_125:1998, T.26 | the closeness of the agreement between the results of successive measurements of the same measurand carried out under the same conditions of measurement (VIM:1993, 3.6) | | 01643 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------|---|--|-------|------------------|
| 1782.21 | repeatability | according to 0.3.7 of R_106-1:2011, 0.3.7 | ability of an instrument to provide results that agree one with the other under the same operating conditions of measurement [based on VIM 3.6] | | 02595 |
| 1783.21 | repeatability | according to 2.2.2 of R_110:1994, 2.2.2 | the ability of a pressure balance to give uniform indications of the measured pressure for multiple applications of the same load under constant conditions of measurement | | 01426 |
| 1784. | repeatability | R060:2000, 2.4.11 | ability of a load cell to provide successive results that are in agreement when the same load is applied several times and applied in the same manner on the load cell under constant test conditions [Adapted from VIM:1993, 5.27] | | 00738 |
| 1785.21 | repeatability | according to 3.2.12 of R_137:2012, 3.2.12 | measurement precision under a set of repeatability conditions of measurement [VIM 2.21] | | 02668 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|---------------|---|---|--|-------|
| 1786-212 | repeatability | according to 2.15 of R_112:1994, 2.15 | the closeness of agreement between results of successive measurements of the same measurand carried out under the same conditions and within a relatively short period of time | <u>Note:</u> The same conditions include the following: the method of measurement, the operator, the measuring instrument, the location, and the environmental conditions. | 01487 |
| 1787-212 | Repeatability | according to T.4.3 of R0_76-1:2006, T.4.3 | ability of an instrument to provide results that agree one with the other when the same load is deposited several times and in a practically identical way on the load receptor under reasonably constant test conditions | | 00959 |
| 1788-212 | repeatability | according to 3.13 of R_116:2006, 3.13 | closeness of agreement between successive measurements of the same measurand carried out under the same conditions and within a short period of time | <u>Note:</u> The same conditions include the following: the method of measurement, the operator, the measuring instrument, the location, and the environmental condition | 01526 |
| 1789-212 | repeatability | according to 3.14 of D0_22:1991, 3.14 | the closeness of the agreement between the results of successive measurements of the same quantity of a pollutant carried out by the same instrument and under the same conditions of use within a relatively short period of time. Repeatability is synonymous with the term "precision" for an instrument | | 00159 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|----------------------|-------------------------------|---|---|--|-----------------------|
| 1790-212 | repeatability | according to 3.16 of R_82:2006, 3.16 | closeness of agreement between results of successive measurements of the same measurand carried out under the same conditions and within a relatively short period of time | | 01060 |
| 1791-212 | repeatability | according to 3.17 of R_113:1994, 3.17 | the closeness of agreement between results of successive measurements of the same measurand carried out under the same conditions and within a relatively short period of time | <i>Note:</i> The same conditions include the following: the method of measurement, the operator, the measuring instrument, the location, and the environmental conditions. | 01504 |
| 2126 | repeatability | according to 3.5 of R 123:1997, | Closeness of agreement between the results of successive measurements of the same sample using the same instrument, under the same defined conditions of use, and within a relatively short period of time. | Note: The same defined conditions would include the following: method of measurement, the measuring instrument, the operator, the location and the ambient environmental conditions. | 03454 |
| 1792-212 | repeatability | according to 3.19 of R_81:1998, 3.19 | the ability of a measuring instrument to provide closely similar indications for repeated applications of the same measurand under the same conditions of measurement [VIM:1993, 5.27] | | 01028 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|---------------|---|---|--|-------|
| 1793.21 | repeatability | according to 4.13 of R_127:1999, 4.13 | the closeness of agreement between the results of successive measurements of the same sample carried out under the same conditions and within a relatively short period of time | <i>Note:</i> The same conditions would include the same method of measurement, measuring instrument, operator, location, and ambient environmental conditions. | 01687 |
| 1794.212 | repeatability | according to 3.5 of R0_65:2006, 3.5 | closeness of agreement among the results of successive measurements of the same measurand according to the following conditions: | | 00822 |
| 1795.213 | Repeatability | according to T.3.6 of R0_51-1:2006, T.3.6 | ability of an instrument to provide results that agree one with the other when the same load is deposited several times and in a practically identical way on the load receptor under reasonably constant test conditions | | 00648 |
| 1796.21 | repeatability | according to 3.9 of R_100-1:2013, 3.9 | closeness of agreement between the results of successive measurements of the same quantity being measured using the same instrument and under the same defined conditions within a relatively short period of time | | 02520 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|---|--|---|---|-------|
| 1797-213 | repeatability | according to T.3.9 of R_107-1:2007, T.3.9 | closeness of the agreement between the results of successive measurements of the same measurand carried out under the same conditions of measurement [VIM: 1993, 3.6] | <u>Note:</u> For an instrument, this is its ability to provide weighing results that agree one with the other under the same or constant operating conditions. | 01371 |
| 1798-21 | repeatability | according to T.4.9 of R_136-1:2004, T.4.9 | closeness of the agreement between the results of the difference between the maximum (A_{\max}) and minimum (A_{\min}) successive area measurements carried out under the same conditions of measurement $R = A_{\max} - A_{\min}$ | <u>Note 1:</u> 1. Repeatability conditions include: <ul style="list-style-type: none"> - the same measurement procedure; - the same operator; - the same measuring instrument, used under the same conditions; - the same location; and - repetition over a short period of time. Repeatability may be expressed quantitatively in terms of the dispersion characteristics of the results. <u>Note 2:</u> 2. [VIM:1993, 3.6] | 01912 |
| 1799-21 | repeatability measurement repeatability | according to 2.1 Tab. 1.11 of R_146-1:2016, 1.11 | {measurement precision under a set of repeatability conditions of measurement [VIM 2.21] + | (-) | 02792 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|---------------|---|--|---|-------|
| 1800-213 | repeatability | according to 2.11 of R0_39:2006, 2.11 | closeness of the agreement between the results of successive measurements on a uniform test sample when there is a relatively short time interval between measurements carried out by the same observer using the same test procedures at the same location under similar ambient conditions | | 00389 |
| 1801-213 | repeatability | according to 3.11 of R0_83:2006, 3.11 | closeness of agreement between results of successive measurements of the same measurand carried out under the same conditions and within a relative short period of time | | 01071 |
| 1802-213 | repeatability | according to 3.12 of R_131:2001, 3.12 | closeness of agreement between the results of successive measurements of the same sample carried out under the same conditions and within a relatively short period of time. | The same conditions would include the same method of measurement, measuring instrument, operator, location, and ambient environmental conditions. | 01753 |
| 1803-213 | repeatability | according to 3.12 of R_132:2001, 3.12 | closeness of agreement between the results of successive measurements of the same sample carried out under the same conditions and within a relatively short period of time. | | 01769 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|--|-------|
| 1804.21 | repeatability condition of measurement (repeatability condition) | according to 2.1.12 of R0_59-1:2016, 2.1.12 | condition of measurement, out of a set of conditions that includes the same measurement procedure, same operators, same measuring system, same operating conditions and same location, and replicate measurements on the same or similar objects over a short period of time [VIM 2.20] | <i>Note 1:</i> A condition of measurement is a repeatability condition only with respect to a specified set of repeatability conditions. <i>Note 2:</i> In chemistry, the term “intra-serial precision condition of measurement” is sometimes used to designate this concept. | 02453 |
| 1805. | repeatability condition of measurement (reproducibility condition) | R059-1:2016, 2.1.13 | condition of measurement, out of a set of conditions that includes different locations, operators, measuring systems, and replicate measurements on the same or similar objects [VIM 2.24] | <i>Note 1:</i> Different measuring systems may use different measurement procedures. <i>Note 2:</i> A specification should give the conditions changed and unchanged, to the extent practical. | 02454 |
| 1806.21 | repeatability condition} repeatability condition of measurement | according to 2.1 Tab. 1.12 of R_146-1:2016, 1.12 | {condition of measurement, out of a set of conditions that includes the same measurement procedure, same operators, same measuring system, same operating conditions and same location, and replicate measurements on the same or similar objects over a short period of time [VIM 2.20]} | { NOTE 1 A condition of measurement is a repeatability condition only with respect to a specified set of repeatability conditions. NOTE 2 In chemistry, the term “intra-serial precision condition of measurement” is sometimes used to designate this concept. } | 02793 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|---|--|----------------------------|
| 2141. | repeatability condition of measurement | according to 3.1.20 of R 126-1:2021, | condition of measurement, out of a set of conditions, that includes the same measurement procedure, same operators, same measuring system, same operating conditions and same location, and replicate measurements on the same or similar objects over a short period of time (OIML V 2-200, 2.20] | | 03455 |
| 2142. | repeatability condition of measurement (repeatability condtion) [VIM 2.20] | according to 3.17 of R 142-1:2025, | condition of measurement, out of a set of conditions, that includes the same measurement procedure, same operators, same measuring system, same operating conditions and same location, and replicate measurements on the same or similar objects over a short period of time | Note 1: A condition of measurement is a repeatability condition only with respect to a specified set of repeatability conditions. Note 2: In chemistry, the term “intra-serial precision condition of measurement” is sometimes used to designate this concept. | 03729 |
| 1807-21 | repeatability error | according to 3.1.8 of R 139-1:201422, 3.1.8 | difference between the largest and the smallest results of the several successive measurements of the same quantity carried out under the same repeatability condition ¹ ¹ OIMLV 2-200:2012 | | 0345602707 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|---|---|--|----------------------------|
| 1808-21 | repeatability error | according to 0.4.4.9 of R_106-1:2011, 0.4.4.9 | <p>difference between the highest and lowest results of successive measurements of the same load carried out under the same (or reasonably constant) conditions of measurement</p> <p>[VIM 3.6]</p> | <p><i>Note:</i> Repeatability conditions include:</p> <ul style="list-style-type: none"> - the same measurement procedure; - the same operator; - the same measuring instrument, used under the same conditions; - the same location; - repetition over a short period of time. | 02615 |
| 1809-21 | repeatability error | according to 3.7.14 of R_60-1:2010, 2.4.12 | <p>difference between load cell output readings taken from</p> <p>consecutive tests under the same loading and environmental</p> <p>conditions of measurement</p> <p>[Adapted from VIM:1993, 5.27]</p> | | 0345700739 |
| 1810-21 | repeatability error | according to T.2.13 of R_140:2007, T.2.13 | <p>for the purpose of this Recommendation: difference between the largest and the smallest results of successive measurements of a same quantity carried out under the same conditions</p> <p>[adapted from VIM:2007, 2.21]</p> | | 02079 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------|---|---|-------|------------------------|
| 1811.21 | repeatability error | according to T.e.4.4 of R_117-1:2007 19 , T.e.4.4 | for the purposes of this Recommendation, the difference between the largest and the smallest results of successive measurements of the same quantity carried out under the same conditions | | 034580 1562 |
| 1812.21 | repeatability of error | according to 3.2.13 of R_137:2012 , 3.2.13 | repeatability under reference conditions and not changing the flow rate between the measurements | | 02669 |
| 1813.21 | repeating indicating device | according to 3.9 of R_85-1:2008 , 3.9 | additional device (ancillary device) repeating the indication of the indicating device | | 02307 |
| 1814.21 | representative calorific value | according to T.1.16 of R_140:2007 , T.1.16 | individual calorific value or a combination of calorific values that is considered to be, according to the constitution of the measuring system, the most appropriate calorific value to be associated with the metered quantity in order to calculate the energy | | 02059 |
| 1815.21 | reproducibility | according to 3.2.14 of R_137:2012 , 3.2.14 | measurement precision under reproducibility condition of measurement [VIM 2.25] | | 02670 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|---|-------|
| 1816.21 | reproducibility measurement reproducibility | according to 2.1 Tab. 1.13 of R_146-1:2016, 1.13 | {measurement precision under reproducibility conditions of measurement [VIM 2.25]} | <p>{NOTE Relevant statistical terms are given in ISO 5725-1:1994 and ISO 5725-2:1994.}</p> <p>In this Recommendation, the reproducibility of measurements between units of the same type of instrument under reference conditions is assessed by the standard deviation of differences (SDD_i). The reproducibility of measurements from one instrument when selected influence factors are varied is assessed by the magnitude of the error shift or fault.</p> | 02794 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|--|--|-----------------------|
| 1817.21 | reproducibility condition of measurement {reproducibility condition} | according to 2.1 Tab. 1.14 of R 146-1:2016, 1.14 | {condition of measurement, out of a set of conditions that includes different locations, operators, measuring systems, and replicate measurements on the same or similar objects [VIM 2.24]} | { NOTE 1 The different measuring systems may use different measurement procedures. NOTE 2 A specification should give the conditions changed and unchanged, to the extent practical.} For the tests in this Recommendation, the conditions changed and unchanged are summarized in R 146-2, Annex A, A.3.4. | 02795 |
| 2154. | reproducibility condition of measurement (reproducibility condition) | according to 2.1.13 of R 59-1:2016, | condition of measurement, out of a set of conditions that includes different locations, operators, measuring systems, and replicate measurements on the same or similar objects [VIM 2.24] | Note 1: Different measuring systems may use different measurement procedures. Note 2: A specification should give the conditions changed and unchanged, to the extent practical. | 03459 |
| 2155. | reproducibility condition of measurement | according to 3.1.22 of R 126-1:2021, | condition of measurement, out of a set of conditions that includes different locations, operators, measuring systems, and replicate measurements on the same or similar objects (OIML V 2-200, 2.24) | | 03460 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|---|-------|
| 2156. | reproducibility condition of measurement (reproducibility condition) [VIM 2.24] | according to 3.18 of R 142-1:2025, | condition of measurement, out of a set of conditions that includes different locations, operators, measuring systems, and replicate measurements on the same or similar objects | <i>Note 1:</i> Different measuring systems may use different measurement procedures. <i>Note 2:</i> A specification should give the conditions changed and unchanged, to the extent practical. | 03730 |
| 1818-21 | reproducibility error | according to T.4.10 of R 136-1:2004, T.4.10 | closeness of the agreement between the results of successive leather area measurements carried out under changed conditions of measurement | <i>Note:</i> The changed conditions may include: - leather-measuring instrument (e.g. use of a mechanical or electronic pinwheel, etc.); - leather material; - operator; - location; and - time. | 01913 |
| 1819-21 | reproducibility of error | according to 3.2.15 of R 137:2012, 3.2.15 | reproducibility under reference conditions and changing the flow rate between the measurements | | 02671 |
| 1820-21 | request for pattern approval | according to 1.1.1 of D0 19:1988, 1.1.1 | taken together, all the documents, instruments, fees, etc. submitted to the concerned legal metrology agency when approval of a pattern is requested | | 00125 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|---|---|-----------------------|
| 1821-216 | requirement | according to 2.9 of D0_27:2001, 2.9 | need or expectation that is stated, generally implied or obligatory [ISO 9000:2000, 3.1.2] | <p><i>Note 1:</i> 1. “Generally implied” means that it is custom or common practice for the organization, its customers and other interested parties, that the need or expectation under consideration is implied.</p> <p>A qualifier can be used to denote a specific type of requirement, e.g. product requirement, quality management requirement, customer requirement.</p> <p>A specified requirement is one which is stated, for example, in a document.</p> <p>Requirements can be generated by different interested parties.</p> | 00171 |
| 2161. | residual volume | according to 2 of R 80-2:2017 | liquid content of the compartment including pipework at the cut-off point level | | 03461 |
| 2162. | Resistance R_0 of the resistance thermometer | according to 2.2 of R 84:2003, | Resistance of the resistance thermometer at the temperature 0 °C. | | 03462 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|---|---|-----------------------|
| 2163. | Resistance thermometer | according to 2.1 of R 84:2003, | Temperature responsive device consisting of one or more sensing resistors with wire leads and protective sheath. | | 03463 |
| 1822-216 | resolution | according to 3.14 of R 116:2006, 3.14 | measure of a spectrometer's ability to separate two adjacent spectral lines | <i>Note:</i> It usually indicates the smallest distance between two adjacent spectral lines at which they can be distinguished one from the another. | 01527 |
| 1823-216 | resolution | according to 3.7 of R 65:2006, 3.7 | -smallest difference between indicated values or smallest change of force in the measuring range that can be observed or recorded and quantified at any applied force | | 00824 |
| 2166. | resolution | according to 3.7.15 of R 60-1:2021, | smallest change in quantity being measured that causes a perceptible change in the corresponding indication [VIM 4.14] | (For notes, refer to the VIM) | 03464 |
| 1824-21 | resolution (of a displaying device) | according to 3.2.21 of R 137:2012, 3.2.21 | smallest difference between displayed indications that can be meaningfully distinguished [VIM 4.15] | <i>Note:</i> For a digital device, this is the change in the indication when the least significant digit changes by one step. For an analogue device, this is half the difference between subsequent scale marks. | 02677 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|--|--|--|-------|
| 1825-21 | resolution of a displaying device | according to 3.2.14 of R0_49-1:202413 , 3.2.14 | smallest difference between displayed indications that can be meaningfully distinguished [SOURCE: ISO/IEC Guide 99:2007/OIML V 2-200:2012 (VIM) 4.15 , [1], 4.15 modified – “Note 1 “added]] | <i>Note:</i> For a digital indicating device, this is the change in the indication when the least significant digit changes by one step. | 02406 |
| 1826-21 | resolution of a mass spectrometer | according to 3.10 of R0_83:2006 , 3.10 | The method of calculating instrument resolution is dependent on the instrument's ion analyzer. Two common methods for determining the ratio of m to Δm ($m/\Delta m$) are: - m is the mass of a component comprising the first peak of a doublet, and Δm is the difference in the mass of the two peaks. The doublet shall be separated by a valley, the value of which shall not exceed 10% of the value of the highest peak ($m/\Delta m$ is constant (sector type)). - m is the mass of a sample component within a peak and Δm is the full width at half maximum (FWHM) of the peak (Δm is constant, (quadrupole type)). Thus $m/\Delta m$ decreases as mass decreases. With this type of instrument unit resolution, one can separate each mass from the next integer mass, i.e. one can distinguish mass 50 from mass 51, and distinguish mass 1000 from mass 1001 | | 01070 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|--|-------|
| 1827.21 | resolution of a spectrophotometer; resolving power of a spectrophotometer | according to 2.26 of R_135:2004, 2.26 | mean of the wavelength of two adjacent emission or absorption lines, the signals of which are practically still separated by the spectrophotometer, divided by the absolute wavelength difference of the two lines | <p><i>Note:</i> Two equally strong emission lines are considered as resolved, if the signal in the region between the two maxima of the lines is reduced to at least 80-% of the line's maxima.</p> <p>Two equally strong absorption lines are considered as resolved, if the extinction between the two maxima is reduced to at least 90-% of the line's maxima. [Adapted from [7], clause 4.5]</p> | 01865 |
| 1828.21 | response function | according to 3.10 of R_131:2001, 3.10 | mathematical representation of the relationship between dosimeter response and absorbed dose for a given dosimetry system | | 01751 |
| 1829.21 | response function | according to of R_132:2001, 3.10 | mathematical representation of the relationship between dosimeter response and absorbed dose for a given dosimetry system | | 01767 |
| 1830.21 | response function | according to 4.11 of R_127:1999, 4.11 | mathematical representation of the relationship between dosimeter response and absorbed dose for a given dosimetry system | | 01685 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|---|-------|-------|
| 1831-21 | response time | according to 2.12 of R_144-1:2013, 1-12 | time interval between the instant of a stepwise concentration change of the component being measured (CO, NO, NO ₂ or NO _x) and the instant at which the signal reaches 90-% of its stable value | | 02767 |
| 1832-21 | response time | according to 2.12 of R_143:2009, 2-12 | time interval between the instant of a stepwise concentration change of the substance (SO ₂) being measured and the instant at which the signal reaches 90-% of its stable value | | 02138 |
| 1833-21 | response time, τ 0,5 | according to 4.1 of R_75-1:2002, 4-1 | time interval between the instant when the flow, the temperature or the temperature difference is subjected to a specified abrupt change, and the instant when the response reaches 50-% of its final steady value | | 00851 |
| 1834-21 | retention time | according to 3.15 of R_113:1994, 3-15 | the elapsed time between injection of a sample and the appearance of the maximum output peak of the component of interest | | 01502 |
| 1835-21 | retention time | according to 3.15 of R_82:2006, 3-15 | time elapsed from injection of a sample component to the recording of its peak maximum | | 01059 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|---|-------|
| 1836-21 | retention time (t_r) for a measurement | according to 2.14 of R_112:1994, 2.14 | the elapsed time between injection of a sample and the appearance of the maximum output peak of the component of interest | <p><i>Note:</i> A related term is capacity factor k', which is defined as follows:</p> $k' = \frac{t_r - t_m}{t_m}$ <p>where t_m = the time for the mobile phase to proceed from the point of injection to the point of detection.</p> | 01486 |
| 1837-21 | reverse (energy) flow (for positive-direction only meters) | according to 2.2.39 of R0_46-1:2012, 2.2.39 | direction of flow in the opposite direction to positive | | 02338 |
| 1838-21 | reverse elastic characteristic | according to T of R0_53:1982, T | relation between the displacement of the reference point and pressure when the pressure decreases | | 00681 |
| 1839-21 | reversibility | according to 3.6 of R0_65:2006, 3.6 | difference in values of indicated force obtained for discrete force values first from measurements with increasing forces and then with decreasing forces | | 00823 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|---|-------|-------|
| 1840.21 | rider | according to T.2.5.1 of R0_76-1:2006, T.2.5.1 | detachable poise of small mass that may be placed and moved either on a graduated bar integral with the beam or on the beam itself | | 00913 |
| 1841.21 | Rockwell (hardness) scale | according to 2.3 of R0_39:2006, 2.3 | designation (see 3.2) given to a Rockwell hardness test which defines the specific combination of indenter type, preliminary force, and total force (see Table 1) used. A specific range of Rockwell hardness values is associated with each scale such that higher Rockwell hardness values indicate a harder material | | 00381 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|--|--|--|-------|
| 1842.21 | Rockwell (indentation) hardness test | according to 2.1 of R039:2006, 2.1 | mechanical test in which an indenter of a specified size and shape (diamond spheroconical or a steel or tungsten-carbide ball) is forced into the surface of a test material | <i>Note:</i> Initially, a preliminary force F_0 is applied to the indenter. The force on the indenter is increased in a specified manner by an additional force F_1 to achieve the total force F , then the additional force F_1 is removed and the force on the indenter is returned to the preliminary force F_0 . The depth of indentation is measured before and after application of the additional force F_1 , while maintaining the preliminary force F_0 (see Annex A). A Rockwell hardness value for the test material is derived from the difference in the indentation depths (see Fig. 1). | 00379 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---------------------------|--|--|-------|-------|
| 1843-21 | Rockwell hardness (value) | according to 2.2 of R0_39:2006, 2.2 | number determined from a Rockwell hardness test, derived from the difference in the indentation depths before and after application of the additional force F_1 , while maintaining the preliminary test force F_0 . The difference in indentation depths is measured as h (see Fig. 1) in mm. The calculation is dependent on the specific combination of indenter type and the forces used | | 00380 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|-------|-------|
| 1844.21 | Rockwell hardness machine | according to 2.4 of R039:2006, 2.4 | <p>device or assembly of devices used for determining the Rockwell hardness of primarily metallic materials by performing a Rockwell indentation hardness test. Rockwell hardness machines are grouped into two classes:</p> <p>Rockwell standardizing machine: Rockwell hardness machine used primarily for the standardization of Rockwell hardness indenters and for the standardization of Rockwell hardness reference test blocks. The Rockwell standardizing machine may also be used for general testing purposes. The Rockwell standardizing machine differs from a Rockwell testing machine by having smaller maximum permissible errors on certain parameters, which are defined in section 4 of this Recommendation. Standardizing machines may also be referred to as calibration machines.</p> <p>Rockwell testing machine: Rockwell hardness machine used for general testing purposes</p> | | 00382 |
| 1845.21 | roughness parameter or R-parameter (R_a or R_z) | according to 2.11 of R111-1:2004, 2.11 | parameter that describes the assessed roughness profile of a sample. The letter R is indicative of the type of assessed profile, in this case R for roughness profile. The assessed profile of a sample can be in terms of different profile types: a roughness profile or R-parameter, primary profile or P-parameter, a waviness profile or W-parameter | | 01459 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|---|---|-------|-----------------------|
| 1846-21 | rounding error | according to T.4.2.6 of R_134:2003 , T.4.2.7 | difference between a digital measurement result (indicated or printed) and the value of that measurement result with an analog indication | | 0346501827 |
| 1847-21 | rounding error | according to T.4.7 of R_136-1:2004 , T.4.7 | difference between a digital measuring result (indicated or printed) and the value of that measuring result with an analogue indication | | 01910 |
| 1848-21 | rounding error of digital indication | according to T.4.3.2 of R_51-1:2006 , T.4.3.2 | difference between the indication and the result the instrument would give with analog indication | | 00655 |
| 1849-21 | rounding error of digital indication | according to T.4.5.2 of R_107-1:2007 , T.4.5.2 | difference between the indication and the result the instrument would give with analog indication | | 01388 |
| 1850-21 | rounding error of digital indication | according to T.5.4.3 of R_76-1:2006 , T.5.4.3 | difference between the indication and the result the instrument would give with analog indication | | 00975 |
| 1851-21 | rounding error of digital indication | according to 0.4.4.8 of R_106-1:2011 , 0.4.4.8 | difference between the indication and the result the instrument would give with analogue indication | | 02614 |
| 1852-21 | safe load limit (E_{lim}) | according to 2.3.16 of R_60-1:2021 , 2.3.15 | maximum load that can be applied without producing a permanent shift in the performance characteristics beyond those specified | | 0346600726 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------|--|--|--|-------|
| 1853-21 | sample | according to 2.1.14 of R087:2016, 2.1.14 | set of prepackages taken at random from an inspection lot to be inspected to determine conformance with specified criteria for purposes of making decisions concerning acceptance or rejection of the entire inspection lot | <i>Note:</i> Lower case letters are used as symbols related to the sample in this Recommendation. | 02507 |
| 1854-21 | sample correction factor (SCF) | according to 2.1.15 of R087:2016, 2.1.15 | <p>The factor calculated using the Student's t inverse cumulative distribution function ($t_{p, n-1}$) with p as the probability equivalent to 0.005 and $(n-1)$ as the degrees of freedom, and a finite population correction factor $(N-n)/(N-1)$ with n as the sample size and N as the inspection lot size</p> $SCF = \frac{-t_{0.005, n-1}}{\sqrt{\frac{n(N-1)}{(N-n)}}$ | <p><i>Note 1:</i> SCF always has a positive sign because $t_{p, n-1}$ has a negative sign for $p = 0.005$.</p> <p><i>Note 2:</i> See Annex F, F.3 for the statistical background to SCF.</p> | 02508 |
| 1855-21 | sample flux (Φ_s) | according to 2.10 of R135:2004, 2.10 | radiant luminous flux of monochromatic radiation transmitted by an optical cell containing the solution on which the measurement is made and reaching the detector | <p><i>Note 1:</i> 4. ISO 6286, Table 2, No. 17.</p> <p>The coherent SI unit is the watt (W).</p> | 01849 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------|--|---|---|-------|
| 1856:22 | sample line | according to 2.3.1 of R_143:2009, 2.3.1 | line provided to remove a representative sample of a gas to be analyzed and to transport it to the analyzer | <i>Note 1:</i> A sample line may include devices such as filters, dryers or condensers (primary and secondary treatment gas) which are necessary to prepare the sample for analysis. <i>Note 2:</i> 2 (ISO 7504: 2001) | 02125 |
| 1857:22 | sample line | according to 2.3 of R_144-1:2013, 1.3 | line provided to remove a representative sample of a gas to be analyzed and to transport it to the analyzer [ISO 7504:2001] [16] | <i>Note:</i> A sample line may include devices such as coarse and fine filters, dryers or separators which are necessary to prepare the sample for analysis. | 02754 |
| 1858:22 | sample size | according to 2.1.16 of R_87:2016, 2.1.16 | number of prepackages taken from an inspection lot and included in a sample | <i>Note:</i> — The symbol “n” is used to designate the sample size. | 02509 |
| 1859:22 | sample solution | according to 2.12 of R_135:2004, 2.12 | part of a fluid taken from a system and intended to provide information about the properties of the system | <i>Note:</i> The sample solution contains as a component the analyte and is applied to the sensor of a measuring system and provides the output signal. In laboratory medicine the “system” usually is a subsystem of a patient such as blood or urine. [Adapted from [9], subclauses 4.114 and 4.4] | 01851 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|---|---|--|-------|
| 1860.22 | sample temperature sensitivity (STS) | according to 2.3.13 of R0_59-1:2016, 2.3.13 | measurement variation (relative to the moisture values obtained at reference conditions) resulting from the range of grain sample temperatures permitted in commercial measurements | <i>Note:</i> STS is controlled in approved moisture calibrations. During assessment, a limit is placed on the value of the average error shift caused by allowable temperature variations. | 02478 |
| 1861.22 | sample temperature sensitivity (STS) | according to 2.2.15 of R_146-1:2016, 2.2.15 | measurement variation (relative to the PMB values obtained at reference conditions) resulting from the range of grain sample temperatures permitted in commercial measurements | <i>Note:</i> STS is controlled in approved PMB calibrations. During assessment, a limit is placed on the value of the average error shift caused by allowable temperature variations. | 02813 |
| 1862.22 | sampling probe | according to 3.1 of R0_99-1:2008, 3.1 | tube that is introduced into the exhaust tail pipe of a vehicle to take gas samples | | 02333 |
| 1863.22 | sampling probe | according to 2.2 of R_144-1:2013, 1.2 | device inserted into the gas, designed to take a representative sample thereof, to which a sample line or a sample container is connected [ISO 7504: 2001] [16] | | 02753 |
| 1864.22 | sampling probe | according to 2.2 of R_143:2009, 2.2 | device inserted into the gas, designed to take a representative sample thereof, to which a sample line or a sample container is connected | [ISO 7504: 2001] | 02124 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------|---|--|-------|----------------------------|
| 1865-22 | scale | according to , 2.1.4 of R_35-1:2007, 2.1.4 | set of all the scale marks and associated numbering | | 00365 |
| 1866-22 | scale | according to 2.7 of R_98:1991, 2.7 | the whole set of scale marks with their corresponding numbering | | 01157 |
| 1867-22 | scale interval | according to 3.1.2 of R_139-1:202214, 3.1.2 | value expressed in units of the measured quantity of the difference between <ul style="list-style-type: none"> • the values corresponding to two consecutive scale marks, for analog indication, or • two consecutive indicated values, for digital indication [OIML V_1:2013, 5.01] | | 0346702701 |
| 1868-22 | scale interval | according to 2.1.5 of R_035-1:2007, 2.1.5 | value expressed in units of length of: the difference between the values corresponding to two consecutive scale marks, for analog indication; or the difference between two consecutive indicated values, for digital indication | | 00366 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------|---|--|-------|-----------------------|
| 1869.22 | scale interval | according to T.3.1 of R_107-1:2007, T.3.1 | value expressed in units of mass that is the difference between: the values corresponding to two consecutive scale marks for analog indication; or two consecutive indicated values for digital indication | | 01357 |
| 1870.22 | scale interval | according to 3.14 of R_81:1998, 3.14 | the difference between the scale values corresponding to two successive scale marks | | 01023 |
| 1871.22 | scale interval (<i>d</i>) | according to T.3.3 of R_134:20036, T.3.3.1 | value expressed in units of mass for weighing-in-motion that is the difference between two consecutive indicated or printed values | | 0346801812 |
| 1872.22 | scale interval (<i>d</i>) | according to T.3.1 of R_136-1:2004, T.3.1 | value, expressed in units of area, of the difference between: the values corresponding to two consecutive scale marks for analogue indication, or two consecutive indicated values for digital indication | | 01899 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------|---|---|-------|-----------------------|
| 1873.22 | scale interval, (d) | according to 3.4.1 of R_61-1:2017 04, T.3.1 | value, expressed in units of mass, of the difference between: the values corresponding to two consecutive scale marks for analog indication; or two consecutive indicated values for digital indication value, expressed in units of the measured quantity of the difference between: a) the values corresponding to two consecutive scale marks for analogue indication, or b) two consecutive indicated values for digital indication (VIML, 5.01) | | 0346900783 |
| 1874.22 | scale interval (d) | according to 2.2.9 of R_129-1:2020 000, 2.19 | the difference between two consecutive indicated values of the dimensions for each range in each axis [adapted from VIM:1993, 4.22] value, expressed in units of measured quantity, of the difference between the values corresponding to two consecutive scale marks for analogue indication, or two consecutive indicated values for digital indication | | 0347001718 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|----------------------------|
| 1875.22 | scale interval for stationary load | according to T.3.3.1 of R_134:2003 6 , T.3.3.2 | value expressed in units of mass for weighing vehicles or test loads that are stationary that is the difference between two consecutive indicated or printed values value, expressed in units of mass, for stationary weighing vehicles or test weights that is the difference between two consecutive indicated or printed values | | 0347101813 |
| 1876.22 | scale interval for stationary load, d_s | according to 0.3.3.1 of R_106-1:2011 , 0.3.3.1 | value expressed in units of mass for weighing stationary railway vehicles or test weights of the difference between: the values corresponding to two consecutive scale marks for analogue indication; or two consecutive indicated values for digital indication | | 02588 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|--|--|-------|--|
| 1877.22 | scale interval for testing | according to 2.3.1.2 of R0_50-1:2014 1997 , T.4.1.2 | the value, expressed in units of mass, of the difference between two consecutive indicated values, for general and partial totalization devices, with the instrument in a special mode for testing purposes. Where such a special mode is not available, the scale interval for testing is equal to the totalization scale interval difference between two consecutive indicated values, expressed in units of mass, with the instrument in a special mode for testing purposes. This scale interval for testing, e, is equal to the totalization accepted scale interval, d, if the special mode is not available | | 03472005 15 |
| 1878.22 | scale interval used for numbering | according to T.3.2.4 of R0_76-1:2006 , T.3.2.4 | value of the difference between two consecutive numbered scale marks | | 00950 |
| 1879.22 | scale interval, d | according to 0.3.3 of R_106-1:2011 , 0.3.3 | value expressed in units of mass for weighing-in-motion of the difference between: the values corresponding to two consecutive scale marks for analogue indication; or two consecutive indicated values for digital indication | | 02587 |
| 1880.22 | scale mark | according to T.2.4.2 of R0_76-1:2006 , T.2.4.2 | line or other mark on a displaying component corresponding to a specified value of mass | | 00912 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|--|--|----------------------------|
| 1881.22 | scale spacing (instrument with analog indication) | according to T.3.2.1 of R 76-1:2006, T.3.2.1 | distance between any two consecutive scale marks | | 00947 |
| 2225. | scanning beam | according to 3.3.8 of R 91-1:2025, | radiation beam emitted in a periodically changing angle from the speed meter | | 03787 |
| 1882.22 | sealing | according to 3.2.53 of D 31:202308, 3.1.38 | means intended to protect the measuring instrument against any unauthorized modification, readjustment, removal of parts, software, etc. It can be achieved by hardware, software or a combination of both adapted form [OIML V 1:2022, 2.20] | Note: This may be achieved by hardware, software or a combination of both. | 0347302205 |
| 2227. | sealing | according to 3.1.9 of R 60-1:2021, | means intended to protect the measuring instrument against any unauthorized modification, readjustment, removal of parts, software, etc. [VIML 2.20] | (For notes, refer to her VIML) | 03474 |
| 2228. | sealing | according to 3.3.9 of R 126-1:2021, | means intended to protect the measuring instrument against any unauthorized modification, readjustment, removal of parts, software, etc. (OIML V 1, 2.20) | Note: This may be achieved by hardware, software or a combination of both. | 03492 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------------|--|--|-------|-----------------------|
| 2229. | secondary display | according to 3.5.1.6 of R 61-1:2017, | additional (optional) digital peripheral device, which repeats the weighing result and any other primary indication, or provides further, non-metrological information | | 03680 |
| 2230. | secondary display | according to 2.2.8.7.2 of R 150-1:2020, | additional (optional) digital peripheral device, which repeats the weighing result and any other primary indication, or provides further, non-metrological information | | 03475 |
| 1883.22 | secondary indications | according to 0.4.1.2 of R 106-1:2011, 0.4.1.2 | indication, signal or symbol that is not a primary indication | | 02602 |
| 1884.22 | secondary indications | according to T.4.1.2 of R 107-1:2007, T.4.1.2 | indications, signals and symbols that are not primary indications | | 01376 |
| 1885.22 | secondary indications | according to T.1.3.2 of R 76-1:2006, T.1.3.2 | indications, signals and symbols that are not primary indications | | 00891 |
| 1886.22 | secondary indications | according to T.1.10.2 of R 51-1:2006, T.1.10.2 | indications, signals and symbols that are not primary indications | | 00575 |
| 2235. | secondary indications | according to 3.5.1.2 of R 61-1:2017, | indications, signals and symbols that are not primary indications | | 03681 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|--|---|--|----------------------------|
| 2236. | secondary indications | according to 2.4.1.2 of R 150-1:2020, | indications, signals and symbols that are not primary indications | | 03476 |
| 1887-22 | secondary standard | according to 3.15 of D0_22:1991, 3.15 | a measurement standard whose value is fixed by direct comparison with a primary standard | <i>Note:</i> Most instrument calibrations are performed using secondary standards. | 00160 |
| 1888-22 | secondary standard solution | according to 1.1.2 of R0_56:1981, 1.1.2 | standard solution of which the conductivity is determined by means of the comparison method. The constant of the cell is determined by means of an indirect method, using primary standard solutions | | 00698 |
| 2239. | section distance | according to 3.3.11 of R 91-1:2025, | closest driving distance between entry and exit detection fields of fixed-distance speed meters | | 03780 |
| 1889-22 | secured communication | according to T.1.19 of R_140:2007, T.1.19 | communication, physical or not, between elements of a measuring system ensuring that information transferred from one of these elements to another may not be tampered with by the user, by external influences or by fault of the system | <i>Note:</i> This is accomplished by sealing devices and/or checking facilities. | 02062 |
| 1890-22 | securing | according to 3.2.54 of D0_31:200823, 3.1.39 | to means preventing unauthorized access to the device's hardware or software part adapted form [OIML V 1:2022, 2.21] | <i>Note:</i> This may be achieved by means of passwords. | 0347702206 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|-------|-----------------------|
| 1891-22 | selection device for load receptors and load-measuring devices | according to T.2.7.8 of R0_76-1:2006, T.2.7.8 | device for attaching one or more load receptors to one or more load-measuring devices, whatever intermediate load-transmitting devices are used | | 00931 |
| 2243. | selective combination weighing instrument | according to 3.2.2.1.1 of R 61-1:2017, | AGFI comprising more than one weighing module and which computes an appropriate combination of the loads and combines them into one fill | | 03682 |
| 1892-22 | selectivity | according to 3.13 of R_113:1994, 3.13 | an indication of a detector's ability to respond to certain classes of compounds more readily and to a greater degree than to others | | 01500 |
| 1893-22 | self-heating effect | according to 4.17 of R0_75-1:2002, 4.17 | increase in temperature signal that is obtained by subjecting each temperature sensor of a pair to a continuous power dissipation of 5 mW when immersed to the minimum immersion depth in a water bath, having a mean water velocity of 0.1 m/s | | 00873 |
| 1894-22 | self-indicating instrument | according to T.1.2.3 of R0_76-1:2006, T.1.2.3 | instrument in which the position of equilibrium is obtained without the intervention of an operator | | 00878 |
| 1895-22 | self-indication capacity | according to T.3.1.3 of R0_76-1:2006, T.3.1.3 | weighing capacity within which equilibrium is obtained without the intervention of an operator | | 00942 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------------|---|--|-------|----------------------------|
| 1896.22 | self-linearizing deflation valve | according to 2.17 of R0_16-2:2002, 2.17 | valve for controlled linearizing exhaust of the pneumatic system during measurement | | 00337 |
| 1897.22 | self-service arrangement | according to T.s.1 of R_117-1:200719, T.s.1 | arrangement that allows the customer to use a measuring system to obtain liquid without a second party intervention | | 0347801595 |
| 1898.22 | self-service instrument | according to T.1.2.10 of R0_76-1:2006, T.1.2.10 | instrument that is intended to be operated by the customer | | 00885 |
| 1899.22 | self-service arrangement | according to 3.3.1 of R_139-1:201422, 3.3.1 | arrangement that allows the purchaser of the gas to personally utilize a measuring system for the purpose of obtaining gas | | 0347902738 |
| 1900.22 | self-service device | according to T.s.2 of R_117-1:200719, T.s.2 | specific device that is part of a self-service arrangement and which allows one or more measuring systems to perform in this self-service arrangement. The self-service device includes all the elements and constituents that are mandatory so that a measuring system performs in a self-service arrangement | | 0348001596 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|--|---|--|----------------------------|
| 1901.22 | self-service device | according to 3.3.2 of R_139-1:2014 22 , 3.3.2 | specific device that is part of a self-service arrangement and which allows one or more measuring systems to perform in this self-service arrangement | <i>Note 1:</i> -The self-service device includes all the elements and constituents that are mandatory so that a measuring system performs in a self-service arrangement. <i>Note 2:</i> The arrangement is made of a self-service device and connected measuring systems. | 0348102739 |
| 1902.22 | semi-automatic instrument | according to 2.7 of R_129-1:2000 20 , 2.7 | an -instrument which -requir <u>ing</u> s the intervention of an operator to carry out the measurements but that automatically determines the results | | 0348201706 |
| 1903.22 | semiautomatic refractometer | according to 2.4 of R_108:1993 , 2.4 | semiautomatic refractometers are instruments in which the liquid sample is not supplied automatically, the indication being nevertheless displayed or printed | | 01409 |
| 1904.22 | semi-automatic adjustment facility | according to 3.8 of R_99-1:2008 , 3.8 | facility allowing the user to initiate an adjustment of the instrument without having the possibility of influencing its magnitude, whether or not the adjustment is automatically required | <i>Note:</i> For those instruments that require the values of the volume fractions of the reference gas to be entered manually, the facility is considered to be semi-automatic. | 02340 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|--|--|--|----------------------------|
| 1905.22 | semi-automatic adjustment means | according to 2.7.3 of R_144-1:2013, 1.7.3 | means allowing the user to adjust the gas analytical system without having the possibility of changing the input measurement signal, whether the automatic adjustment is required or not | <i>Note:</i> For those gas analytical systems that require the calibration gas mixture to be entered manually, the adjustment means are considered to be semi-automatic. | 02761 |
| 1906.22 | semi-automatic adjustment means | according to 2.7.3 of R_143:2009, 2.7.3 | means allowing the user to adjust the gas analytical system without having the possibility of changing the input measurement signal, whether the automatic adjustment is required or not | <i>Note:</i> For those gas analytical systems that require the calibration gas mixture to be entered manually, the adjustment means are considered to be semi-automatic. | 02132 |
| 1907.22 | semi-automatic zero setting device | according to T.2.10.3 of R_134:2003, T.2.4.1.2 | zero-setting device that operates automatically following a manual command | | 0348301799 |
| 1908.22 | semi-automatic zero setting device | according to 2.2.6.2 of R_50-1:2014, T.3.8.1.2 | a zero-setting device that operates automatically following a manual command or indicates the value of the adjustment required | | 0348400505 |
| 1909.22 | semi-automatic zero setting device | according to T.2.7.2.2 of R_76-1:2006, T.2.7.2.2 | device for setting the indication to zero automatically following a manual command | | 00921 |
| 1910.22 | semi-automatic zero setting device | according to 3.3.4.2 of R_61-1:2017, T.2.4.2 | device for automatically setting the indication to zero automatically following a manual command | | 0348500778 |

| | Term | Reference <u>to OIML Recommendation (R)</u> <u>or Document (D)</u> | Definition | Notes | ID |
|--------------------|---|---|---|-------|--------------|
| 1911.22 | semi-automatic zero setting device | <u>according to T.2.4.2 of R_107-1:2007, T.2.4.2</u> | device for setting the indication to zero automatically following a manual command | | 01335 |
| 1912.22 | semi-automatic zero setting device | <u>according to T.2.5.2 of R_136-1:2004, T.2.5.2</u> | device for setting the indication to zero automatically following a manual command | | 01897 |
| 1913.22 | semi-automatic zero setting device | <u>according to T.2.10.8.2 of R_51-1:2006, T.2.10.8.2</u> | device for setting the indication to zero automatically following a manual command | | 00613 |
| 1914.22 | semi-automatic zero-setting device | <u>according to 0.2.10.2 of R_106-1:2011, 0.2.10.2</u> | zero-setting device that operates automatically following a manual command | | 02562 |
| <u>2267.</u> | <u>semi-automatic zero-setting device</u> | <u>according to 2.2.6.2 of R_150-1:2020,</u> | <u>zero-setting device that operates automatically following a manual command or indicates the value of adjustment required</u> | | <u>03486</u> |
| 1915.22 | semi-self-indicating instrument | <u>according to T.1.2.4 of R_76-1:2006, T.1.2.4</u> | instrument with a self-indicating weighing range, in which the operator intervenes to alter the limits of this range | | 00879 |
| 1916.22 | sensitivity | <u>according to T.13 of R_53:1982, T.13</u> | quotient of the increase in value of displacement of the reference point and the corresponding increase in pressure | | 00685 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|--|---|-------|------------------|
| 1917. | sensitivity | R060:2000, 2.4.13 | ratio of a change in response (output) of a load cell to a corresponding change in the stimulus (load applied) | | 00740 |
| 1918-22 | sensitivity | <u>according to T.4.1 of R076-1:2006, T.4.1</u> | for a given value of the measured mass, the quotient of the change, Δl , of the observed variable, l , and the corresponding change, Δm , of the measured mass, m | | 00957 |

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|---------|-------------|---|--|--|-------|
| 1919-22 | sensitivity | <p><u>according to 3.13 of R0_82:2006, 3.13</u></p> | <p>Output signal per unit mass of the sample component of interest in the carrier gas. It is expressed in either one of the two following ways:</p> <p>With a concentration dependent detector, the instrument sensitivity, S, (...)</p> <p>With a mass flow rate dependent detector, the instrument sensitivity, S, (...)</p> <p><u>3.13.1 With a concentration-dependent detector, the instrument sensitivity, S, is expressed as:</u></p> <p><u>$A \cdot \text{mL} \cdot \text{g}^{-1}$, or</u> <u>$V \cdot \text{mL} \cdot \text{g}^{-1}$, and by the equation:</u></p> <p><u>$S = P \cdot F / M$</u></p> <p><u>where:</u></p> <p><u>P = the peak area,</u> <u>F = the carrier gas flow rate,</u> <u>M = the mass of the sample in the carrier gas.</u></p> <p><u>With the units:</u></p> <p><u>A = amperes,</u> <u>mL = millilitres,</u> <u>g = grams,</u> <u>V = volts.</u></p> <p><u>3.13.2 With a mass flow rate dependent detector, the instrument sensitivity, S, is expressed in:</u></p> <p><u>$A \cdot \text{s} \cdot \text{g}^{-1}$, or</u> <u>$V \cdot \text{s} \cdot \text{g}^{-1}$, and by the equation:</u></p> | <p><u>Note:</u> Peak area is independent of broadening effects caused by variables such as column temperature, eluent flow rate, and rate of sample injection. From this standpoint, therefore, the peak area is a more satisfactory analytical parameter than peak height. On the other hand, peak heights are more easily measured and, for narrow peaks, more accurately determined. Many modern chromatographic instruments are equipped with electronic integrators that provide precise measurements of relative peak areas.</p> | 01057 |
|---------|-------------|---|--|--|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|--|--|-------|-------|
| | | | $S = P/M$ <p>where the symbols have the same definitions as in 3.13.1, with the additional unit of:</p> <p>s = seconds.</p> | | |
| 1920-22 | sensitivity | according to T.3.5 of R051-1:2006, T.3.5 | <p>For a given value of the measured mass, the quotient of the change of the observed variable, l, and the corresponding change of the measured mass, M:</p> $k = \Delta l / \Delta M$ | | 00647 |

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|---------|-------------|---------------------------------------|---|-------|
| 1924.22 | sensitivity | according to 3.12 of R_113:1994, 3.12 | <p>the output signal of a detector per unit mass of eluted sample components of interest and is either one of the following categories:</p> <p>3.12.1 Concentration-dependent detector</p> <p>Expressed in $A \cdot mL \cdot g^{-1}$ or $V \cdot mL \cdot g^{-1}$, and by the equation:</p> $S = \frac{P \times F}{M}$ <p>where</p> <p>S = sensitivity</p> <p>P = the integrated peak area ($A \cdot s$ or $V \cdot s$)</p> <p>F = the carrier gas flow rate ($mL \cdot s^{-1}$)</p> <p>M = mass of the sample in the carrier gas (g)</p> <p>3.12.2 Mass-flow-rate-dependent detector</p> <p>Expressed in $A \cdot s \cdot g^{-1}$ or $V \cdot s \cdot g^{-1}$, and by the equation:</p> $S = \frac{P}{M}$ <p>where the symbols are the same as those defined in 3.12.1.</p> | 01499 |
|---------|-------------|---------------------------------------|---|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|-----------------------------|--|---|--|-----------------------|
| 2274. | sensitivity | according to 3.7 of R 123:1997, | Change in the response of a measuring instrument divided by the corresponding change in the stimulus. | | 03487 |
| 2275. | sensitivity | according to 3.1.25 of R 126-1:2021, | quotient of change in an indication of measuring system and the corresponding change in a value of quantity being measured (OIML V 2-200, 4.12) | Note 1: Sensitivity of measuring system can depend on the value of the quantity being measured. Note 2: The change considered in a value of a quantity being measured must be large compared with the resolution. Note 3: In the scope of this Recommendation, sensitivity relates to the added substance which is not identical with the measurand. | 03488 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------------|--|--|---|-----------------------|
| 1922.22 | sensitivity of a detector | according to 2.12 of R_112:1994, 2.12 | <p>The output signal per unit concentration of the sample component in the mobile phase; it may be expressed as:</p> $S = \frac{A \times F}{M}$ <p>where S = sensitivity A = the integrated area of the sample component F = the flow rate M = the mass of the sample component injected</p> | <u>Note:</u> An electrochemical detector of the coulombic type does not follow this equation. | 01484 |
| 1923.22 | sensitivity of a tank | according to 2.20 of R_80-1:2009, 2.20 | change in the level of liquid Δh divided by the corresponding relative change in volume $\Delta V/V$ for the contained volume V at the level h | | 02259 |
| 2278. | sensitivity of a tank | according to 2 of R 80-2:2017, | change in the level of liquid Δh divided by the corresponding relative change in volume $\Delta V/V$ for the contained volume V at the level h | | 03489 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|--------------------------|-------|
| 1924.22 | sensitivity to non-uniformity in the field of a thermographic instrument | according to 2.11 of R_141:2008, 2.11 | Maximum value of the temperature difference of thermogram fragments from a standard large aperture radiator, with a uniform radiation over the surface | | 02115 |
| 1925.22 | sensitivity weight | according to 2.12 of R_111-1:2004, 2.12 | weight that is used to determine the sensitivity of a weighing instrument | see T.4.1 in OIML R 76-1 | 01460 |
| 1926.22 | sensor | according to T.1.2.1 of R_140:2007, T.1.2.1 | element of a measuring instrument or measuring chain that is directly affected by the measurand [VIM:2007, 3.8] | | 02041 |
| 1927.22 | sensor | according to 3.1.3 of R_137:2012, 3.1.3 | element of a measuring system that is directly affected by a phenomenon, body, or substance carrying a quantity to be measured [VIM 3.8] | | 02648 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|---|--|---|-----------------------|
| 1928.22 | sensor | according to 3.1.3 of R_49-1:2024 13, 3.1.3 | element of a meter that is directly affected by a phenomenon, body or substance carrying a quantity to be measured [SOURCE: ISO/IEC Guide 99:2007/OIML V 2-200:2012 (VIM) 3.8, [1], 3.8 , modified — “meter” replaces “measuring system”; original note removed; original examples removed, “Note” added] | <i>Note:</i> For a water meter, the sensor may be a disc, piston, wheel or turbine element, the electrodes on an electromagnetic meter, or another element. The element senses the flow rate or volume of water passing through the meter and is referred to as a “flow sensor” or “volume sensor”. | 02342 |
| 1929.22 | sensor or meter senso | according to T.s.3 of R_117-1:2019 07, T.s.3 | part of a measuring device, directly affected by the flow of the liquid to be measured, and which converts the flow into a signal destined for the transducer | | 0349001597 |
| 1930.22 | sequential control device | according to 3.4.6 of R_139-1:2022 14, 3.4.6 | device which allows switching from a bank to another one. This device may be included in a measuring system or may be part of the refueling station | | 0349102751 |
| 2286. | service | according to 3.4 and G.3.4-1 of D 37:2022, | Service are not relevant to issuing OIML certificates. | | 03549 |
| 1931.22 | service organization | according to 1.2.11 of D_20:1988, 1.2.11 | a non-governmental organization that calibrates, tests, repairs, or maintains instruments | | 00145 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|--|---|---|-----------------------|
| 1932.22 | set of weights or weight set | according to 2.13 of R_111-1:2004, 2.13 | series or group of weights, usually presented in a case so arranged to make possible any weighing of all loads between the mass of the weight with the smallest nominal value and the sum of the masses of all weights of the series with a progression in which the mass of the smallest nominal value weight constitutes the smallest step series. The weights have similar metrological characteristics and the same or different nominal values as defined in 4.3 of this Recommendation, and belong to the same accuracy class | | 01461 |
| 1933.22 | setting device | according to T.2.10.1 of R_51-1:2006, T.2.10.1 | device for fixing the limits of mass of the sub-groups | | 00604 |
| 1934.22 | settlement of a transaction | according to T.s.5 of R_117-1:201907, T.s.5 | <p>a-transaction is settled conclusion when the parties interested in the transaction have made their agreement known (explicitly or implicitly) regarding the amount of the transaction: (T this may be accomplished by a payment, signing a credit card voucher, signing a delivery order, etc.)</p> <p>The parties interested in a transaction may be the parties themselves or their representatives (for example, the employee in a filling station or the driver of a truck)</p> | Note: The parties interested in a transaction may be the parties themselves or their representatives (for example, the employee in a filling station or the driver of a truck). | 0349301600 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|--|---|-----------------------|
| 2291. | side distance of speed meter | according to 3.4.5 of R 91-1:2025, | horizontal distance from the reference point of the speed meter to the closest edge of the closest lane (see Figure 2¹⁵; inner edge of the lane marking) | | 03781 |
| 1935-22 | sight glass | according to T.s.6 of R 117-1:201907, T.s.6 | device for checking, before start-up and after shut-down, that all or part of the measuring system is either filled completely with liquid (full hose measuring systems) or completely empty of liquid (empty hose measuring system) | | 0349401601 |
| 2293. | significant defect | according to 3.2.55 of D 31:2023, | incident that has an undesirable impact on the compliance of measuring instrument or a fault | <i>Note:</i> Examples of significant defect include: a) deletion of the audit trail; b) inadmissible parameter changes; c) unauthorised updates; d) accidental software changes due to physical effects; e) a significant fault due to the effect of an influence quantity. | 03495 |
| 2294. | significant defect | according to 3.1.14 of R 126-1:2021, | event that has an impact on the properties re functions of the measuring instrument or a fault | | 03496 |

¹⁵ see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|---|-------|------------------|
| 1936. | significant durability error | R105:1993, T.22 | for masses equal to or greater than the minimum measured quantity, a durability error greater than one fifth of the absolute value of the maximum permissible error for the measured quantity. Durability errors are not considered as significant when: the indication cannot be interpreted, memorized or transmitted as a measurement result, the indication is such that it is impossible to perform any measurement | | 01237 |
| 1937.22 | significant durability error | according to 2.34 of R_135:2004, 2.34 | durability error greater than the value specified in the appropriate Recommendation [OIML D 11, 3.12] | | 01873 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|--|---|---|----------------------------|
| 1938-22 | significant durability error | according to T.5.5.8 of R_76-1:2006, T.5.5.8 | <p>durability error greater than e.</p> <p>errors, occurring after a period of instrument use, are not considered to be significant durability errors, even when they exceed e, if they are clearly the result of the failure of a device/component, or of a disturbance and for which the indication:</p> <p>cannot be interpreted, memorized, or transmitted as a measurement result;</p> <p>implies the impossibility to perform any measurement; or</p> <p>is so obviously wrong that it is bound to be noticed by all those interested in the result of measurement.</p> | <p><i>Note:</i> A durability error can be due to mechanical wear and tear or due to drift and ageing of electronic parts. The concept of significant durability error applies only to electronic parts.</p> <p>For a multi-interval instrument, the value of e is that appropriate to the partial weighing range</p> | 00984 |
| 1939-22 | significant durability error | according to 3.1.15 of R_139-1:2022, 3.1.15 | <p>durability error exceeding the value specified in this Recommendation</p> <p>[OIML V_1:2013, 5.17]</p> | | 0349702714 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|---|--|---|-------|
| 1940.22 | significant durability error | according to 3.14 of D0_11:2013, 3.14 | durability error exceeding the value specified in the applicable Recommendation [VIML 5.17] | <p><i>Note:</i> Some durability errors exceeding the value specified may still be considered not significant. The applicable Recommendation shall state when such exception applies. For example, the occurrence of one or some of the following errors may be acceptable:</p> <p>(a) the indication cannot be interpreted, memorized or transmitted as a measurement result;</p> <p>(b) the indication implies the impossibility to perform any measurement;</p> <p>(c) the indication is so obviously wrong that it is bound to be noticed by all those interested in the result of the measurement; or</p> <p>(d) a durability error cannot be detected and acted upon due to a breakdown of the appropriate durability protection facility.</p> | 02228 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------------|--|--|---------------------------------------|--------------|
| <u>2299.</u> | <u>significant durability error</u> | <u>according to 3.7.16 of R 60-1:2021,</u> | <u>durability error exceeding the value specified in the applicable Recommendation</u> <u>[VIML 5.17]</u> | <u>(For notes, refer to the VIML)</u> | <u>03498</u> |
| 1941.23 | significant fault | <u>according to T.28 of R 125:1998, T.28</u> | <p>a fault greater than the absolute value of the maximum permissible error for the minimum quantity.</p> <p>The following faults are not considered to be significant, even when they exceed the value defined above:</p> <ul style="list-style-type: none"> - faults arising from simultaneous and mutually independent causes in the measuring instrument itself or in its checking facilities; - faults implying the impossibility to perform any measurement; - transitory faults being momentary variations in the indication, which cannot be interpreted, memorized or transmitted as a measurement result; and - faults giving rise to variations in the measurement result which are so serious that they are bound to be noticed by all those interested in the measurement result. | | 01645 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------|------------------------------|--|--|-------|------------------|
| 1942. | significant fault | R105:1993, T.20 | <p>for masses equal to or greater than the minimum measured quantity, a fault greater than one fifth of the absolute value of the maximum permissible error for the measured quantity.</p> <p>The following are not considered as significant faults:</p> <p>faults arising from simultaneous and mutually independent causes in the measuring instrument itself or in its checking facilities;</p> <p>transitory faults being momentary variations in the indication, which cannot be interpreted, memorized or transmitted as a measurement result;</p> <p>faults implying the impossibility to perform any measurement</p> | | 01235 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-------------------|---|---|-------|----------------------------|
| 1943.23 | significant fault | according to T.f.1 of R_117-1:2019, T.f.1 | <p>difference between the error (of indication) and the intrinsic error greater than the value specified in this Recommendation. Significant faults are only relevant to electronic measuring systems.</p> <p>The following are not considered to be significant faults:</p> <ul style="list-style-type: none"> transitory malfunctions resulting in momentary variations in the indication, which cannot be interpreted, memorized, or transmitted as a measurement result; and, for interruptible measuring systems only, malfunctions implying the impossibility of performing further measurements | | 0349901565 |
| 1944.23 | significant fault | according to 2.30 of R_135:2004, 2.30 | <p>fault greater than the value specified in the appropriate Recommendation</p> <p>[OIML D 11, 3.10]</p> | | 01869 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|--|---|-------|
| 1945.23 | significant fault | according to 2.2.31 of R0_46-1:2012, 2.2.31 | fault exceeding the applicable fault limit value [OIML D11:2004, 3.10] | <p><i>Note:</i> The following are also considered to be significant faults:</p> <p>a change larger than the critical change value (see 3.3.6.2 Error! Reference source not found.) has occurred in the measurement registers due to disturbances;</p> <p>the functionality of the meter has become impaired.</p> | 02330 |
| 1946.23 | significant fault | according to 3.33 of R0_85-1:2008, 3.33 | <p>The following faults are considered not to be significant, even when they exceed the value defined above:</p> <p>(a) faults arising from simultaneous and mutually independent causes in the ALG itself or in its checking facilities;</p> <p>(b) faults implying the impossibility to perform any measurement;</p> <p>(c) transitory faults being momentary variations in the indication, which cannot be interpreted, memorized or transmitted as a measurement result;</p> <p>(d) faults giving rise to variations in the measurement results so serious that they are bound to be noticed by all those interested in the result of the measurement.</p> | | 02331 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|---|--|--|------------------|
| 1947.23 | significant fault | according to 2.49 of R 80-1:2009, 2.49 | fault greater than the value specified in 5.7.1.4. | | 02288 |
| 2306. | significant fault | according to 2 of R 80-2:2017, | fault greater than the value specified in 5.7.1.4. | | 03500 |
| 1948.23 | significant fault | according to 9 of R 124:1997, 9 | the difference between the error of indication and the intrinsic error, whose absolute value is greater than one scale interval (adapted from D 11 clauses T.8 and T.9) | | 01614 |
| 1949.23 | significant fault | according to 4.10.3 of R 75-1:2002, 4.10.3 | fault greater than the absolute value of the MPE which is not a transitory fault <u>Example: If the MPE is $\pm 2\%$, then the significant fault is a fault larger than 2 %.</u> | Example: If the MPE is $\pm 2\%$, then the significant fault is a fault larger than 2 %. | 00866 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|--|---|-------|----------------------------|
| 1950:23 | significant fault | according to T.4.2.7 of R_134:20036, T.4.2.5 | <p>fault greater than 1 d.</p> <p>The following are not considered to be significant faults:</p> <ul style="list-style-type: none"> - faults that result from simultaneous and mutually independent causes in the instrument or in its checking facility; - faults that make it impossible to perform any measurement; - transitory faults that are momentary variations in the indications which cannot be interpreted, memorized or transmitted as a measurement result; and - faults that are so serious that they will inevitably be noticed by those interested in the measurement | | 0350101825 |

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|---------|--------------------|---|---|---|------------|
| 1954.23 | -significant fault | according to 3.5.2.7 of R0_61-1:201704, T.4.2.6 | <p>fault greater than 0.25 of the maximum permissible deviation of each fill for in-service inspection as specified in 2.2.2, for a fill equal to the minimum capacity or rated minimum fill respectively of the filling instrument.</p> <p>The following are not considered to be significant faults, even when they exceed the value defined above:</p> <p>faults arising from simultaneous and mutually independent causes in the instrument;</p> <p>faults that imply it is impossible to perform a measurement;</p> <p>faults that are so serious that they will inevitably be noticed by those interested in the measurement; and</p> <p>transitory faults that are momentary variations in the indications or operation that cannot be interpreted, memorized or transmitted as a measurement result</p> <p>fault exceeding the applicable fault limit value (VIML 5.14)</p> | <p>For filling instruments where the fill may be greater than one load, the value of the significant fault applicable for a test on one static load shall be calculated in accordance with the test procedures in A.6.1.3.</p> <p><i>Note:</i> For particular types of measuring instruments some faults exceeding the fault limit may not be considered a significant fault; the applicable Recommendation shall state when such exception applies. For example, the occurrence of one or some of the following faults may be acceptable:</p> <ul style="list-style-type: none"> • faults arising from simultaneous and mutually independent causes originating in a measuring instrument or in its checking facilities; • faults implying the impossibility to perform any measurement; • transitory faults being momentary variations in the indication, which cannot be interpreted, memorized or transmitted as a measurement result; | 0350200806 |
|---------|--------------------|---|---|---|------------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--|------|--|------------|---|----|
| | | | | <ul style="list-style-type: none">• <u>faults giving rise to variations in the measurement result that are serious enough to be noticed by all those interested in the measurement result;</u> <p><u>The Recommendation may specify the nature of these variations.</u></p> | |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|-------------------------------|---|-------|
| 1952.23 | significant fault | according to 0.4.4.6 of R_106-1:2011, 0.4.4.6 | fault greater than 1 <i>d</i> | <p><i>Note:</i> The relevant Recommendation may specify that the following faults are not significant, even when they exceed the value defined in 0.4.4.6:</p> <p>faults that result from simultaneous and mutually independent causes in the instrument or in its checking facility;</p> <p>faults that make it impossible to perform any measurement;</p> <p>transitory faults that are momentary variations in the indications which cannot be interpreted, memorized or transmitted as a measurement result;</p> <p>faults that are so serious that they will inevitably be noticed by those interested in the measurement.</p> | 02612 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|--|--|-------|-------|
| 1953:23 | significant fault | according to T.4.5.6 of R_107-1:2007, T.4.5.6 | <p>fault greater than 1 <i>dt</i>.</p> <p>The following are not considered to be significant faults:</p> <ul style="list-style-type: none"> - faults arising from simultaneous and mutually independent causes in the instrument or in its checking facilities (T.3.11); - faults implying the impossibility to perform any weighing; - transitory faults, momentary variations in the indications which cannot be interpreted, memorized or transmitted as a weighing result; and - faults being so serious that they will inevitably be noticed by all those interested in the weighing result | | 01392 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|--|---|-------|
| 1954-23 | significant fault | according to T.5.5.6 of R0_76-1:2006, T.5.5.6 | <p>fault greater than e.</p> <p>The following are not considered to be significant faults, even when they exceed e:</p> <p>faults arising from simultaneous and mutually independent causes in the instrument;</p> <p>faults implying the impossibility to perform any measurement;</p> <p>faults being so serious that they are bound to be noticed by all those interested in the result of measurement; or</p> <p>transitory faults, being momentary variations in the indication which cannot be interpreted, memorized or transmitted as a measuring result</p> | <i>Note:</i> For a multi-interval instrument, the value of e is that appropriate to the partial weighing range. | 00982 |
| 1955-23 | significant fault | according to 3.2.9 of R0_49-1:202413, 3.2.9 | <p>fault (3.2.8) greater than the value specified in this part of ISO 4064/OIML R 49</p> <p>[Source: OIML D 11:2013 [3], 3.12, modified — “this part of OIML R 49” replaces “the relevant Recommendation”.]</p> | <i>Note:</i> See 5.1.2, which specifies the value of a significant fault. | 02401 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|--|--|-------|----------------------------|
| 1956.23 | significant fault | according to T.4.3.9 of R_51-1:2006, T.4.3.9 | <p>Fault greater than the verification scale interval, <i>e</i>.</p> <p>A significant fault does not include:</p> <ul style="list-style-type: none"> - faults arising from simultaneous and mutually independent causes in the instrument or in its checking facility; - faults that imply it is impossible to perform a measurement; - faults that are so serious they will inevitably be noticed by all those interested in the measurement; or - transitory faults that are momentary variations in the indications that cannot be interpreted, memorized or transmitted as a measurement result. | | 00662 |
| 1957.23 | significant fault | according to 3.1.12 of R_139-1:202214, 3.1.12 | <p>fault exceeding the applicable fault limit value</p> <p>[OIML V_1:2013, 5.14]</p> | | 0350302711 |

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|---------|-------------------|---|---|--|-------|
| 1958-23 | significant fault | according to 2.3.14 of R0_59-1:2016, 2.3.14 | <p>fault greater than the value specified in this Recommendation (see 4.4.1—Błąd! Nie można odnaleźć źródła odwołania.)</p> <p>[VIML 5.14]</p> | <p><i>Note:</i> The relevant Recommendation may specify that the following faults are not significant, even when they exceed the value defined in 4.4.1</p> <p>Error! Reference source not found.:</p> <p>(a) faults arising from simultaneous and mutually independent causes (e.g. EM fields and discharges) originating in a measuring instrument or in its checking facilities;</p> <p>(b) faults implying the impossibility to perform any measurement;</p> <p>(c) transitory faults being momentary variations in the indication, which cannot be interpreted, memorized or transmitted as a measurement result;</p> <p>(d) faults giving rise to variations in the measurement result that are serious enough to be noticed by all those interested in the measurement result; the relevant Recommendation may specify the nature of these variations.</p> | 02479 |
|---------|-------------------|---|---|--|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-------------------|---|--|---|----------------------------|
| 1959:23 | significant fault | according to 3.7.17 of R0_60-1:202100, 2.4.14 | <p>Fault greater than the load cell verification interval, v:</p> <p>The following are not considered significant faults, even when they exceed the load cell verification interval, v:</p> <p>faults arising from simultaneous and mutually independent causes;</p> <p>faults implying the impossibility to perform any measurements;</p> <p>faults being so serious that they are bound to be noticed by all interested in the result of measurement; and</p> <p>transitory faults being momentary variations in the load cell output which cannot be interpreted, memorized or transmitted as a measurement result</p> <p><u>fault exceeding the applicable fault limit value</u></p> <p><u>[VIML 5.14]</u></p> | (For notes, refer to the VIML). | 0350400741 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|---|---|-------|
| 1960.23 | significant fault | according to 2.2.16 of R_146-1:2016, 2.2.16 | fault exhibited by the equipment under test that is greater than the values listed in 4.5, Table 4, column_10 | <p><u>Note:</u> The following faults are not considered to be significant, even when they exceed the maximum value:</p> <p>(a) faults arising from a simultaneous and mutually independent cause (e.g. EM fields and discharges) originating in a measuring instrument or in its checking facilities;</p> <p>(b) faults implying the impossibility to perform any measurement; and</p> <p>(c) transitory faults being momentary transitions in the indication, which cannot be interpreted, memorized or transmitted as a measurement result.</p> | 02814 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|-------------------|--|---|--|------------|
| 1961.23 | significant fault | according to 3.1.13 of R_126-1:2021, 2.18 | <p>difference between the error (of indication) and the intrinsic error greater than the value specified in this Recommendation. Significant faults are only relevant to electronic measuring systems</p> <p>[OIML D11, 3.10 Błąd! Nie można odnaleźć źródła odwołania.]</p> <p>fault exceeding the applicable fault limit</p> <p>[OIML V 1, 5.14]</p> | <i>Note:</i> Significant faults are only relevant to electronic measuring systems. | 0350502643 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|-------------------|--|--|--|------------|
| 1962.23 | significant fault | according to 2.3.7 of R_129-1:2020, 2.28 | <p>a fault greater than one scale interval (d).</p> <p>The following faults are not considered to be significant, even when they exceed the value defined above:</p> <p>faults arising from simultaneous and mutually independent causes in the measuring instrument itself;</p> <p>faults implying the impossibility to perform any measurement;</p> <p>transitory faults being momentary variations in the indication, which cannot be interpreted, memorized or transmitted as a measurement result; and</p> <p>faults giving rise to variations in the measurement result so serious that they are bound to be noticed by all those interested in the result of the measurement.</p> <p><u>fault exceeding the applicable fault limit value [VIML 5.14]</u></p> | <p><u>Note: The following faults are not considered to be significant, even when they exceed the value defined above:</u></p> <p><u>(a) faults arising from simultaneous and mutually independent causes in the measuring instrument itself;</u></p> <p><u>(b) faults implying the impossibility to perform any measurement;</u></p> <p><u>(c) transitory faults being momentary variations in the indication, which cannot be interpreted, memorized or transmitted as a measurement result; and</u></p> <p><u>(d) faults giving rise to variations in the measurement results so serious that they are bound to be noticed by all those interested in the result of the measurement.</u></p> | 0350601727 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|--|---|--|-------|
| 1963:23 | significant fault | according to 3.21 of R099-1:2008, 3.21 | fault which has a magnitude greater than the magnitude of the maximum permissible error on initial verification | <p><u>Note:</u> The following faults are considered to be not significant:</p> <p>Fault arising from simultaneous and mutually independent causes in the instrument itself or in its checking facilities;</p> <p>Faults implying the impossibility to perform any measurement;</p> <p>Transitory faults being momentary variations in the indication, which cannot be interpreted, recorded or transmitted as a measurement result; and</p> <p>Faults giving rise to variations in the measurement results that are so large as to be noticed by all those interested in the measurement result.</p> <p>Adapted from OIML D 11:2004, 3.10.</p> | 02355 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|--|---|-------|-------|
| 1964.23 | significant fault | according to 3.24 of R081:1998, 3.24 | <p>a fault the magnitude of which is greater than 20 % of the maximum permissible error (mpe) for the measured quantity. The following are not considered to be significant faults:</p> <p>faults arising from simultaneous and mutually independent causes in the measuring instrument itself or in its checking facility;</p> <p>transitory faults being momentary variations in the indication, that cannot be interpreted, memorized, or transmitted as a measurement result;</p> <p>faults implying the impossibility of performing any measurement.</p> | | 01033 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|---|---|-------|------------------------|
| 1965-23 | significant fault | according to 2.4.5.4 of R0_50-1:2014 1997, T.5.5 | <p>a fault greater than the absolute value of the appropriate maximum permissible error for influence factor tests for a load equal to the minimum totalized load (Σ_{min}) for the designated class of the belt weigher</p> <p><u>fault exceeding the absolute value of the appropriate maximum permissible error for a load equal to the minimum totalized load, Σ_{min}, for the designated class of the belt weigher” and the note by “Note: A significant fault does not include</u></p> <ul style="list-style-type: none"> <u>- faults arising from simultaneous and mutually independent causes in the belt weigher,</u> <u>- faults implying the impossibility to perform any weighing,</u> <u>- transitory faults, momentary variations in the indications which cannot be interpreted, memorized or transmitted as a weighing result,</u> <u>- faults which are so serious that they will inevitably be noticed by all those interested in the weighing result</u> | | 03507-00529 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------|--|---|-------|-------|
| 1966:23 | significant fault | according to T.4.6 of R_136-1:2004, T.4.6 | <p>Fault greater than 1 d.</p> <p>The following are not considered to be significant faults:</p> <ul style="list-style-type: none"> - faults that result from simultaneous and mutually independent causes in the instrument or in its checking facility; - faults that make it impossible to perform any measuring; - transitory faults that are momentary variations in the indications which cannot be interpreted, memorized or transmitted as a measuring result; - faults that are so serious that they will inevitably be noticed by those interested in the measuring | | 01909 |

| | | | | | |
|---------|-------------------|---|--|---|-------|
| 1967-23 | significant fault | according to 3.12 of D0_11:2013, 3.12 | fault exceeding the applicable fault limit value [VIML 5.14] | <p><i>Note:</i> For particular types of measuring instruments some faults exceeding the fault limit may not be considered a significant fault. The applicable Recommendation shall state when such an exception applies. For example, the occurrence of one or some of the following faults may be acceptable:</p> <p>(a) faults arising from simultaneous and mutually independent causes originating in a measuring instrument or in its checking facilities;</p> <p>(b) faults implying the impossibility to perform any measurement;</p> <p>(c) transitory faults being momentary variations in the indication, which cannot be interpreted, memorized or transmitted as a measurement result;</p> <p>(d) faults giving rise to variations in the measurement result that are serious enough to be noticed by all those interested in the measurement result; the applicable Recommendation may specify the nature of these variations.</p> | 02226 |
|---------|-------------------|---|--|---|-------|

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------|---|--|--|---|--------------|
| <u>2327.</u> | <u>significant fault</u> | <u>according to 2.4.5.5 of R 150-1:2020,</u> | <u>fault exceeding the applicable fault limit value</u> <u>[Adapted from VIML:2013, 5.14 – note modified]</u> | <u>Note: A significant fault does not include</u> <ul style="list-style-type: none"> ▪ <u>faults arising from simultaneous and mutually independent causes,</u> ▪ <u>faults implying the impossibility to perform any weighing,</u> ▪ <u>transitory faults, momentary variations in the indication which cannot be interpreted, memorized or transmitted as a weighing result,</u> ▪ <u>faults which are so serious they will inevitably be noticed by all those interested in the weighing result.</u> | <u>03508</u> |
| <u>2328.</u> | <u>significant fault (OIML V 1 [1], 5.14)</u> | <u>according to 3.5.10 of R 91-1:2025,</u> | <u>fault exceeding the applicable fault limit value defined in clause 6.18.1</u> | <u>Note: See supplements in clause 6.18.2.</u> | <u>03782</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|---|-------|
| 1968:23 | significant fault (for associated measuring instruments other than CVDDs) | according to T.2.17.2 of R_140:2007, T.2.17.2 | fault, the magnitude of which is greater than half of the magnitude of the maximum permissible error for the relevant measurand. However a fault, the magnitude of which is smaller than 2 scale intervals of the associated measuring instrument is never considered as a significant fault | <u>Note:</u> for associated measuring instruments other than CVDDs this concept applies to the whole associated measuring instrument, or to the electronic part only, according to what is subject to the test. | 02084 |
| 1969:23 | significant fault (for CVDDs) | according to T.2.17.3 of R_140:2007, T.2.17.3 | fault, the magnitude of which is greater than one fifth of the magnitude of the maximum permissible error for the calorific value. However a fault, the magnitude of which is smaller than 2 scale intervals of the CVDD is never considered as a significant fault | <u>Note:</u> For CVDDs this concept applies to the whole device. | 02085 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|--|-------|
| 1970:23 | significant fault (for the principal measurands: volumes, mass or energy) | T.2.17.1 of R_140:2007, T.2.17.1 according to T.2.17.1 of R_140:2007, T.2.17.1 | <p>fault, the magnitude of which is greater than one tenth of the magnitude of the maximum permissible error for the relevant measurand</p> <p>However, whatever is the measured quantity:</p> <p>faults greater than one tenth of the magnitude of the maximum permissible error corresponding to a quantity equal to one minute at Q_{\max} are always considered as significant,</p> <p>faults smaller than the relevant minimum specified quantity deviation are never considered as significant.</p> | <p><u>Note:</u> For the principal measurands this concept applies only to the electronic parts of the measuring system (in general the calculator) but not to the meter as such. Meters shall be tested and assessed according to the specific applicable OIML International Recommendation(s).</p> <p>The significant fault for a calculator is calculated on the basis of the maximum permissible error applicable to the principal measurand and not on the basis of the maximum permissible error applicable to the calculator.</p> <p>When a device is used for measuring two or more principal measurands (a calculator for example), it has a significant fault for each measurand.</p> | 02083 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|---|---|-------|----------------------------|
| 1971.23 | significant fault) | according to T.2.17.4 of R_140:2007, T.2.17.4 | The following faults are not considered as significant: faults resulting from simultaneous causes independent from each other within the instrument itself or within its checking facility; temporary faults resulting from momentary indication variations, but which cannot be interpreted, stored or transmitted as measurement results. | | 02086 |
| 1972.23 | simplified verification | according to 2.8 of D0_15:1986, 2.8 | a subsequent verification of a measuring instrument for which a simplified examination is allowed [VML 2.4.5] | | 00265 |
| 1973.23 | simulation test | according to 0.6.3 of R_106-1:2011, 0.6.3 | test carried out on a complete instrument or part of an instrument in which any part of the weighing operation is simulated | | 02624 |
| 1974.23 | simulation test | according to 3.7.2 of R0_61-1:201704, T.6.2 | test carried out on a complete filling instrument or part of a filling instrument in which any part of the weighing operation is simulated test carried out on a complete AGFI or part of the AGFI in which any part of the weighing operation is simulated | | 0350900815 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------|--|---|-------|----------------------------|
| 1975.23 | simulation test | according to T.6.2 of R_51-1:2006, T.6.2 | test carried out on a complete instrument or part of an instrument in which any part of the weighing operation is simulated | | 00670 |
| 1976.23 | simulation test | according to T.6.2 of R_107-1:2007, T.6.2 | test carried out on a complete instrument or part of an instrument in which any part of the weighing operation is simulate | | 01403 |
| 1977.23 | simulation test | according to T.6.2 of R_136-1:2004, T.6.2 | test carried out on a complete measuring instrument or part of an instrument in which any part of the measurement operation is simulated | | 01922 |
| 1978.23 | simulation test | according to 2.6.4 of R_50-1:20141997, T.7.2 | a test carried out with standard weights on a test unit consisting of a complete belt weigher without the belt conveyor test carried out on a complete instrument or part of an instrument in which any part of the instrument operation is simulated | | 0351000536 |
| 1979.23 | simulation test | according to T.6.3 of R_134:20036, T.6.3 | test carried out on a complete instrument or part of an instrument in which any part of the weighing operation is simulated | | 0351104835 |
| 2341. | simulation test | according to 2.6.4 of R_150-1:2020 | test carried out on a complete instrument or part of an instrument in which any part of the instrument operation is simulate | | 03512 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|---|-------|----------------------------|
| 1980.23 | single speed beltweigher | according to 2.1.5.1 of R0_50-1:2014 1997, T.2.2.1 | a belt weigher that is installed with a conveyor belt designed to operate at a single speed, designated in this Recommendation as the nominal speed belt weigher that is installed with a conveyor belt designed to operate at a single speed | | 0351300486 |
| 1981.23 | single-valued line measure | according to 2.5 of R0_98:1991 , 2.5 | a line measure with two scale marks representing one value of length only | | 01155 |
| 1982.23 | sleeve | according to 2.8 of R0_16-1:2002 , 2.8 | essentially inelastic part of the cuff that encloses the bladder | | 00313 |
| 1983.23 | sleeve | according to 2.8 of R0_16-2:2002 , 2.8 | essentially inelastic part of the cuff that encloses the bladder | | 00328 |
| 2346. | sleeve | according to 2.11 of R 148-1:2020 , | essentially inelastic part of the cuff that encloses the bladder | | 03514 |
| 2347. | sleeve | according to 2.14 of R 149-1:2020 , | essentially inelastic part of the cuff that encloses the bladder | | 03515 |
| 1984.23 | slope of the calibration characteristic | according to 2.4 of R0_48:2004 , 2.4 | ratio of a small change in the current in the lamp circuit to the corresponding change in its radiance temperature | | 00404 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------|--|--|---|---|------------------|
| 1985. | software | D031:2008, 3.1.40 | generic term comprising program code, data, and parameters | | 02207 |
| <u>2349.</u> | <u>snapshot</u> | <u>according to 3.2.56 of D 31:2023,</u> | <u>static representation of a dynamic module of legally relevant software at a specific point in time that can include 1) algorithm design (e.g. topology and weights of a neural network); 2) trial of evolution of dynamic parameters of a module; 3) evolved parameters of dynamic parts of the module</u> | | <u>03698</u> |
| <u>2350.</u> | <u>software configuration management</u> | <u>according to 3.2.57 of D 31:2023,</u> | <u>process to establish and maintain the integrity of the legally relevant software of a measuring instrument</u> <u>adapted form [ISO/IEC/IEEE 12207:2017, 6.3.5]</u> | <u>Note: Configuration management as discipline covers all aspects of legally relevant parts of the measuring instrument, whether software or hardware. However, this document only covers the software related requirements. Configuration management regarding hardware parts are to give in the relevant Recommendation.</u> | <u>03699</u> |
| <u>2351.</u> | <u>software-controlled water meter</u> | <u>according to 3.1.27 of R 49-1:2024,</u> | <u>water meter (3.1.1) that incorporates and utilizes legally relevant software modules</u> | | <u>03704</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|---|---|-------|-----------------------|
| 1986.23 | software identification | according to 2.2.8.4 of R_21:2007, 2.2.8.4 | sequence of readable characters of software, and that is inextricably linked to the software (e.g. version number, checksum) | | 00354 |
| 1987.23 | software identification | according to T.2.7.8.4 of R_51-1:2006, T.2.7.8.4 | sequence of readable characters of software, and that is inextricably linked to the software (e.g. version number, checksum) | | 00595 |
| 1988.23 | software identification | according to T.2.7.7.5 of R_107-1:2007, T.2.7.7.5 | sequence of readable characters of software that is inextricably linked to the software (e.g. version number, checksum) | | 01352 |
| 1989.23 | software examination | according to 3.2.58 of D_31:202308, 3.1.41 | technical operation that consists of determining one or more characteristics of the software according to the specific procedure (e.g. analysis of technical documentation or running the program under controlled conditions) | | 0351602208 |
| 2356. | software examination | according to 3.3.10 of R 126-1:2021 | technical operation that consists of determining one or more characteristics of the software according to the specific procedure (e.g. analysis of technical documentation or running the program under controlled conditions) [OIML D 31, 3.1.47] | | 03517 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|--|---|----------------------------|
| 2357. | software examination [OIML D 31, 3.1.47] | according to 3.26 of R 142-1:2025, | technical operation that consists of determining one or more characteristics of the software according to the specific procedure (e.g. analysis of technical documentation or running the program under controlled conditions) | | 03731 |
| 1990-23 | software identification | according to 3.2.59 of D 31:202308, 3.1.42 | sequence of readable characters (e.g. name , version number, checksum) that is inextricably linked to represents the software or software module under consideration. It can be checked on an instrument whilst in use | Note: Software identification can be checked on an instrument whilst in use, see 6.2.1. | 0351802209 |
| 2359. | software identification | according to 3.3.6.5 of R 61-1:2017, | sequence of readable characters (e.g. version number, checksum) that represents the software or software module under consideration | Note: This software identification can be checked on an instrument whilst in use. | 03683 |
| 1991-23 | software identification | according to 0.2.8.5 of R 106-1:2011, 0.2.8.5 | sequence of readable characters of software, and that is inextricably linked to the software (e.g. version number, checksum) | | 02557 |
| 1992-23 | software identification | according to T.2.8.6 of R 76-1:2006, T.2.8.6 | sequence of readable characters of software that is inextricably linked to the software (e.g. version number, checksum) | | 00937 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---|---|---|--|----------------------------|
| 2362. | software identification | according to 2.2.9.5 of R 150-1:2020, | sequence of readable characters (e.g. version number, checksum) that is inextricably linked to the software or software module under consideration. It can be checked on an instrument whilst in use [VIML:2013, 6.01] | | 03519 |
| 2363. | software identification | according to 3.3.11 of R 126-1:2021, | sequence of readable characters (e.g. version number, checksum) that represents the software or software module under consideration. (OIML D 31, 3.1.48) | Note: The identification can be checked on an instrument whilst it is in use. | 03520 |
| 1993-23 | software interface | according to 3.2.60 of D0_31:202308, 3.1.43 | consists of program code and a dedicated data domain; it receives, filters, or transmits data between software modules (not necessarily legally relevant). program code and dedicated data domain; receiving, filtering, or transmitting data between software modules [OIML V 1:2022, 6.03] | Note 1: A software interface is not legally relevant. Note 2: A software interface is an interface between two or more software modules, used to exchange data and transmit commands. | 0352102240 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------|-----------------|--|--|---|------------|
| 1994.23 | software module | according to 3.2.61 of D 31:2023, D031:2008, 3.1.44 | <p>logic entities such as programs, subroutines, libraries, and objects including their data domains that may be in relationship with other entities. The software of measuring instruments, electronic devices or sub-assemblies consists of one or more software modules</p> <p>software entity such as a program, subroutine, library, parameter or data set, and other objects including their <i>data domain</i> that may be in relationship with other entities</p> | <p>[similar IEC 61508 4:1998, 3.3.7]</p> <p><u>Note: The software of measuring instruments consist of one or more software modules.</u></p> | 0352202211 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|--|---|---------------------------|-------------------|
| 1995.23 | software protection | <u>according to 3.2.62 of D 31:2023, D031:2008, 3.1.45</u> | <p>securing of measuring instrument software or data domain by a hardware or software implemented seal. The seal must be removed, damaged or broken to obtain access to change software</p> <p><u>protection of measuring instrument or component software or data domain by a hardware or software implemented seal with the intention of making an intervention impossible or evident</u></p> <p><u>Examples:</u></p> <ol style="list-style-type: none"> <u>1) A hardware seal on a measuring instrument's housing needs to be removed, damaged or broken to obtain access to change software.</u> <u>2) A software seal in a measuring instrument record events, i.e. either a non-resettable counter is incremented each time an event occurs, see 3.2.21, or a data file, counting timestamped information, records the event, see 3.2.1.</u> <u>3) The interface of measuring instrument is physically sealed, so that accessing that interface can only be achieved by breaking, removing or damaging the seal.</u> <p><u>adapted from [OIML V 1:2022, 6.04]</u></p> | <u>Note: See 6.2.3.5.</u> | <u>0352302212</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-------------------------------------|---|--|--|----------------------------|
| 1996.23 | software protection | according to 2.2.8.5 of R 21:2007, 2.2.8.5 | securing of measuring instrument software or data domain by a hardware or software implemented seal which has to be removed, damaged or broken to obtain access to change software | | 00355 |
| 1997.23 | software separation | according to 3.2.63 of D 31:2023, D 31:2008, 3.1.46 | software in measuring devices can be divided into a legally relevant part and a legally irrelevant part. These parts communicate via an interface separation of software in measuring instruments, which can be divided into a legally relevant module(s) and legally non-relevant module(s) adapted form [OIML V 1:2022, 6.02] | Note: These module(s) communicate via a software interface. | 0352402213 |
| 2369. | software separation | according to 3.3.6.6 of R 61-1:2017, | separation of software in measuring instruments, which can be divided into a legally relevant part and a legally non-relevant part (VIML, 6.02) | | 03537 |
| 1998.23 | software separation | according to 2.2.8.6 of R 21:2007, 2.2.8.6 | software in measuring devices can be divided into a legally relevant part and a legally irrelevant part. These parts communicate via an interface | | 00356 |
| 1999.23 | software separation | according to 0.2.8.6 of R 106-1:2011, 0.2.8.6 | unambiguous separation of software into legally relevant software and non-legally relevant software | Note: if no software separation exists, the whole software is to be considered as legally relevant | 02558 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------------|---|--|--|-----------------------|
| 2000.23 | software separation | according to T.2.7.8.6 of R0_51-1:2006, T.2.7.8.6 | unambiguous separation of software into legally relevant software and non-legally relevant software. If no software separation exists, the whole software is to be considered as legally relevant | | 00597 |
| 2001.23 | software separation | according to T.2.8.7 of R0_76-1:2006, T.2.8.7 | unambiguous separation of software into legally relevant software and non-legally relevant software. If no software separation exists, the whole software is to be considered as legally relevant | | 00938 |
| 2374. | software separation | according to 2.2.9.6 of R 150-1:2020, | separation of software in measuring instruments, which can be divided into a <i>legally relevant part</i> and a <i>legally non-relevant part</i> [VIML:2013, 6.02] | Note: These part communicate via a software interface. | 03525 |
| 2002.23 | software) validation | according to 2.2.1 of R0_59-1:2016, 2.2.1 | confirmation by examination and provision of objective evidence (i.e. information that can be proved true, based on facts obtained from observations, measurement, test, etc.) that the particular requirements for the specific intended use are fulfilled. In the present case the related requirements are those of this Recommendation [OIML D31, 3.1.56] | | 02465 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|---|--|---|-------|
| 2003-23 | software) validation | according to 2.2.18 of R_146-1:2016, 2.2.18 | confirmation by examination and provision of objective evidence (i.e. information that can be proved true, based on facts obtained from observations, measurement, tests, etc.) that the particular requirements for the specific intended use are fulfilled [OIML D 31:2008, 3.1.56] | <i>Note:</i> In the present case the related requirements are those of this Recommendation. | 02816 |
| 2004-23 | solid support | according to 2.5 of R_112:1994, 2.5 | the material within the column to which the stationary phase is bonded (together comprising the packing material) and through which the mobile phase flows. Ideally this material is inert. It may be characterized by the particle diameter d_p measured in μm | | 01477 |
| 2005-23 | solid support | according to 3.5 of R_113:1994, 3.5 | normally an inert material within a column that holds the stationary phase. This material may consist of porous particles, impenetrable particles, the interior column wall, or a combination of these alternatives over which the carrier gas flows | | 01492 |
| 2006-23 | solid support | according to 3.6 of R_82:2006, 3.6 | material in the column (normally inert) that holds the stationary phase and consists of porous or impenetrable particles, or the interior wall of the column itself, or a combination of these, over which the carrier gas flows | | 01050 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------|---|---|--|----------------------------|
| 2007-23 | sorting device | according to T.2.10.5 of R0_51-1:2006, T.2.10.5 | device which automatically divides the loads into separate sub-groups | | 00608 |
| 2008-23 | source code | according to 3.2.64 of D0_31:202308, 3.1.47 | computer program written in a form (programming language) that is legible and editable. Source code is compiled or interpreted into executable code | Note: Source code is compiled or interpreted into executable code. | 0352602214 |
| 2009-23 | span stability | according to T.4.2.8 of R_134:20036, T.4.2.6 | capability of an instrument to maintain the difference between the indication of weight at maximum capacity and the indication at zero within specified limits over a period of use capability of an instrument to maintain the difference between the indication at maximum capacity and the indication at zero within specified limits over a period of use | | 0352701826 |
| 2010-23 | span stability | according to 3.5.2.8 of R0_61-1:201704, T.4.2.7 | capability of an instrument to maintain the difference between the indication of weight at maximum capacity and the indication at zero within specified limits over a period of use capability of an instrument to maintain the difference between the indication at maximum capacity and the indication at zero over a period of use within specified limits | | 0352800807 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------|--|---|-------|----------------------------|
| 2011-23 | span stability | according to 0.4.4.7 of R_106-1:2011, 0.4.4.7 | capability of an instrument to maintain the difference between the indication of mass at maximum capacity and the indication at zero within specified limits over a period of use | | 02613 |
| 2012-23 | span stability | according to T.4.5.7 of R_107-1:2007, T.4.5.7 | capability of an instrument to maintain the difference between the indication at maximum capacity and the indication at zero over a period of use within specified limits | | 01393 |
| 2013-23 | span stability | according to T.5.5.9 of R_76-1:2006, T.5.5.9 | capability of an instrument to maintain the difference between the indication at maximum capacity and the indication at zero over a period of use within specified limits | | 00985 |
| 2014-23 | span stability | according to T.4.3.10 of R_51-1:2006, T.4.3.10 | capability of an instrument to maintain the difference between the indication at maximum capacity and the indication at zero within specified limits over a period of use | | 00663 |
| 2015-23 | span stability | according to 3.7.18 of R_60-1:2002, 2.4.15 | load cell output at maximum load, D_{max}, and the load cell output at minimum load, D_{min}, over a period of use within specified limits capability of a load cell to maintain the load cell output of the load cell's measuring range over a period of use within specified limits | | 0352900742 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------|--|--|-------|----------------------------|
| 2016-23 | span stability test | according to 0.6.5 of R_106-1:2011, 0.6.5 | test to verify that the EUT is capable of maintaining its performance characteristics over a period of use | | 02626 |
| 2017-23 | span stability test | according to T.6.4 of R_51-1:2006, T.6.4 | test to verify that the EUT is capable of maintaining its performance characteristics over a period of use | | 00672 |
| 2018-23 | span stability test | according to 3.7.4 of R_61-1:201704, T.6.4 | test to verify that the EUT is capable of maintaining its span stability | | 0353000817 |
| 2019-23 | span stability test | according to T.6.4 of R_107-1:2007, T.6.4 | test to verify whether the EUT is capable of maintaining its performance characteristics over a period of use | | 01405 |
| 2020- | span stability test | R134:2003, T.6.5 | test to verify that the EUT is capable of maintaining its span stability over a period of use | | 01837 |
| 2021-23 | spatial (angular) resolution | according to 2.9 of R_141:2008, 2.9 | dimension (angle, or sensitive elements) of a slit on a screen installed in front of a large aperture radiator in the field of view of the thermographic instrument, when the ratio between the peak increment of the slit temperature over the screen temperature to the temperature difference of the radiator and the screen reaches the preset value | | 02113 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|---|---|---|----------------------------|
| 2022-23 | special gas extractor | according to T.g.1.3 of R_117-1:201907, T.g.1.3 | gas elimination device that which , like the gas separator but under less stringent operating conditions, continuously separates any air or gases contained in the liquid, and which automatically stops the flow of liquid if there is a risk of air or gases, accumulated in the form of pockets no more than slightly mixed with the liquid, entering the meter | | 0353101573 |
| 2023-23 | special purpose temperature probe | according to 2.3 of R_114:1995, 2.3 | a special-purpose temperature probe is a probe that incorporates a temperature sensor and has also other functions | <u>Note:</u> An example of a special-purpose temperature probe is an esophageal-stethoscope probe in which a temperature sensor is loosely contained within a plastic tube; however the primary purpose of the probe is to transmit chest cavity sounds through the air or gas within the tube to a stethoscope attached to its open end. | 01507 |
| 2024-23 | specific absorbance, k_{λ} | according to 3.5 of R_131:2001, 3.5 | optical absorbance, A_{λ} , at the analysis wavelength, λ , divided by the dosimeter thickness, t : $k_{\lambda} = A_{\lambda} / t$ | <u>Note:</u> The thickness, t , is a measure of optical path length. | 01743 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|-------|
| 2025-23 | specific absorption coefficient ($\epsilon = A/bc$) | molar according to 2.8 of R_135:2004, 2.8 | absorbance divided by the optical pathlength b and the amount of substance concentration c | The derived SI unit is the square metre per mole (m^2/mol), but the litre per mole per mm ($\text{L}/(\text{mol} \times \text{mm})$) or litre per mole per cm ($\text{L}/(\text{mol} \times \text{cm})$) is often used. The specific molar absorption coefficient ϵ slightly depends on the amount of substance concentration c . | 01847 |
| 2026-23 | specific absorbance, Δk | net according to 4.6 of R_127:1999, 4.6 | net absorbance, ΔA , at the analysis wavelength divided by the thickness, t , of the radiation sensitive layer of the dosimeter as follows: $\Delta k = \Delta A / t$ | | 01680 |

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|--------------------|--|---|--|--|-------|
| 2027-23 | specified measuring ranges | according to T.2.8 of R_140:2007, T.2.8 | set of values of measurands or quantities characteristic of the gas for which the error is intended to lie within the limits specified in this Recommendation. In general the upper and lower limits of the specified measuring range are called maximum value and minimum value, respectively (for example: maximum flowrate 2000 m^3/h , minimum flowrate 50 m^3/h) | <i>Note:</i> This definition applies to the measuring system and also to the elements that compose the measuring system. Main measurands or quantities characteristic for the metering module are flowrate, pressure or temperature of the gas. A conversion device has a specified measuring range for each quantity that it processes. | 02074 |
| 2028-24 | specified temperature, t_{sp} | according to 3.3.7 of R_137:2012, 3.3.7 | median temperature for gas meters with built-in conversion devices, used as a reference for the determination of the applicable operating temperature range | <i>Note:</i> The difference between t_{sp} and the gas temperature has an influence on the value of the MPE | 02685 |
| 2029-24 | specimen | according to 3.27 of D0_11:2013, 3.27 | instrument, device or module subjected to testing, examination or study and representing a population | | 02252 |
| 2030-24 | spectral selectivity | according to 2.2.13 of R_147:2016, 2.2.13 | wavelength range over which the BBR specifications are valid | | 02834 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|---|-----------------------|
| 2031-24 | spectral width at half maximum value | according to 2.21 of R_135:2004, 2.21 | difference between a higher and lower wavelength value at which the value of an optical quantity is reduced to half of its maximum value between the two wavelengths | <i>Note:</i> The coherent SI unit is the metre (m), but often the nanometre (nm) is used. The optical quantity can be e.g. radiant luminous flux, absorbance, etc. | 01860 |
| 2032-24 | spectral width at one-hundredth maximum value | according to 2.22 of R_135:2004, 2.22 | difference between a higher and lower wavelength value at which the value of an optical quantity is reduced to 1/100 of its maximum value between the two wavelengths | <i>Note:</i> The coherent SI unit is the metre (m), but often the nanometre (nm) is used. The optical quantity can be e.g. radiant luminous flux, absorbance, etc. | 01861 |
| 2405. | speed meter | according to 3.1.1 of R 91-1:2025, | instrument that measures and displays the speed of a distant vehicle within specified error limits used for traffic enforcement cases | | 03783 |
| 2033-24 | speedometer | according to 1.1 of R0 55:1981, 4.1 | instrument designed to indicate to the driver, the instantaneous speed of his vehicle | | 00690 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|---|-----------------------|
| 2034.24 | speedometer constant | according to 1.6 of R0_55:1981, 1.6 | characteristic quantity showing the type (revolutions of the driving shaft or impulses) and the frequency of signals at which the speedometer must indicate a speed of 60—km/h. The speedometer constant may be expressed in revolutions per minute, rev/min, or in impulses per minute, imp/min. The speedometer constant is numerically equal to odometer constant k when the same driving system is used for both instruments | | 00695 |
| 2035.24 | spherical power lens | according to 3.9 of R0_93:1999, 3.9 | lens bringing a paraxial pencil of parallel rays to a single focus point | <i>Note:</i> This definition could also apply to single vision aspheric lenses. | 01134 |
| 2036.24 | sphygmomanometer | according to 2.9 of R0_16-1:2002, 2.9 | instrument used for the non-invasive measurement of the arterial blood pressure | | 00314 |
| 2037.24 | sphygmomanometer | according to 2.9 of R0_16-2:2002, 2.9 | instrument used for the non-invasive measurement of the arterial blood pressure | | 00329 |
| 2038.24 | stability of elastic characteristic— | according to T.16 of RR_053:1982, T.16 | aptitude of the elastic sensing element to retain a constant | | 00689 |
| 2412. | stability of a measuring instrument | according to 3.1.23 of R 126-1:2021, | property of measuring instrument, whereby its metrological properties remain constant in time (OIML V 2-100, 4.19) | | 03540 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|--|---|--|-------|
| 2039.24 | stable equilibrium | according to 0.3.9 of R_106-1:2011, 0.3.9 | condition of balance in which an instrument displays a constant value or no more than two adjacent values, one of which is the final weight value, for any given load applied | <i>Note:-</i> This definition is only applicable to static weighing and not to weighing-in-motion. | 02597 |
| 2040.24 | stable equilibrium | according to T.3.2.5 of R_51-1:2006, T.3.2.5 | condition of the instrument such that the printed or stored weighing values show no more than two adjacent values with one of them being the final weight value | | 00634 |
| 2041.24 | stable equilibrium | according to T.3.5 of R_107-1:2007, T.3.5 | condition of the instrument such that the printed or stored weight values of each separate weighing test show no more than two adjacent values, with one of them being the final weight value | | 01367 |
| 2042.24 | stand-alone battery | according to 3.24 of D_11:2013, 3.24 | non-rechargeable battery or rechargeable battery which shall be (re)charged only when not connected to the EUT | | 02249 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|---|---|---|-------|
| 2043-24 | standard deviation of the error, s | according to T.4.3.6 of R_51:2006, T.4.3.6 | standard deviation of the error (of indication) for a number of consecutive automatic weighings of a load, or similar loads, passed over the load receptor, expressed mathematically as: $s = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n-1}}$ | | 00659 |
| 2044-24 | standard large aperture radiator | according to 2.4 of R_141:2008, 2.4 | standard radiator (i.e. a reference radiator), whose angular dimensions are at least ten times larger than the instantaneous field of view of the thermographic instrument | <u>Note:</u> If the thermographic instrument has a large instantaneous field of view angle, an angular dimension of the standard reference radiator should be wide enough to cover the instantaneous field of view of the thermographic instrument. | 02108 |
| 2045-24 | standard radiator | according to 2.3 of R_141:2008, 2.3 | radiator that complies with a black body model (BB) | | 02107 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|--|--|----------------------------|
| 2046-24 | standard solution reproducing conductivity | according to 1.1 of R0_56:1981, 1.1 | solution having an electric conductivity (in the text : conductivity) of known value, adopted as the standard measure for the calibration of conductance cells | | 00696 |
| 2421. | standard measurement cycle | according to 3.2.12 of R 126-1:2021, | the measurement cycle of an EBA consists of all steps necessary to obtain a valid result, from starting the measurement, sampling, analysing, internal control procedures, calculation, and displaying the result | <i>Note:</i> Since national authorities may define specific measurement cycles for their country , “standard” refers to the respective country . | 03532 |
| 2047-24 | standby mode | according to 3.2.10 of R_126-1:2014221, 2.10 | mode of the breath-alcohol-analyzer EBA whereby only certain circuits are energized in order to conserve power and/or prolong component life, and to attain the measuring mode more rapidly than would be possible if starting from the switched-off/un-powered state | | 0353302636 |
| 2423. | standby mode | according to 3.1.3 of R 91-1:2025 | mode of operation in which no speed measurements will be performed | | 03784 |
| 2048-24 | starting current (I_{st}) | according to 2.2.2 of R0_46-1:2012, 2.2.2 | lowest value of current specified by the manufacturer at which the meter should register electrical energy at unity power factor and, for poly-phase meters, with balanced load | | 02301 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|--|-----------------------|
| 2049-24 | static measuring system | according to 2.2 of R 80-1:2009, 2.2 | system that comprises a measuring tank, fitted with its ancillary and additional devices. Static measuring systems can also be utilized for measuring the quantity of the liquid in the tank such as the volume at working conditions or at base conditions | <u>Note:</u> Hereafter referred to as measuring system. | 02241 |
| 2426. | static measuring system | according to 2 of R 80-2:2017, | system that comprises a measuring tank, fitted with its ancillary and additional devices. Static measuring systems can also be utilized for measuring the quantity of the liquid in the tank such as the volume at working conditions or at base conditions | Note: Hereafter referred to as measuring system. | 03534 |
| 2050-24 | static meter | according to 2.1.8 of R 46-1:2012, 2.1.8 | meter in which current and voltage act on solid state (electronic) elements to produce an output proportional to the energy to be measured [IEC 62052-11:2003, 3.1.2] | | 02287 |
| 2051-24 | static pressure loss or pressure differential, Δp | according to 3.3.10 of R 137:2012, 3.3.10 | mean difference between the pressures at the inlet and outlet of the gas meter while the gas is flowing | | 02688 |
| 2052-24 | static reference bogie load | according to 0.3.1.12 of R 106-1:2011, 0.3.1.12 | bogie load of known conventional true value determined statically on a control instrument for a wagon equipped with four or more axles | | 02583 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|---|----------------------------|
| 2053-24 | static reference single-axle load | according to 0.3.1.10 of R_106-1:2011, 0.3.1.10 | single-axle load of known conventional true value determined statically for a wagon | | 02581 |
| 2054-24 | static set point | according to 3.4.4 of R_061-1:200174, T.3.4 | value of the test weights or masses which, in static tests, balance the value selected on the indication of the fill setting device | | 0353500786 |
| 2055-24 | static test | according to 0.6.1 of R_106-1:2011, 0.6.1 | test with standard weights (or test loads) remaining stationary on the load receptor to determine an error | | 02622 |
| 2056-24 | static test | according to T.6.1 of R_134:20036, T.6.1 | test with standard weights or a load that remains stationary on the load receptor to determine an error | | 0353601833 |
| 2057- | static test load | R061-1:2004, T.3.11 | load that is used in static tests only | | 00793 |
| 2058-24 | static weighing | according to 0.3.1.4 of R_106-1:2011, 0.3.1.4 | determining the mass of a stationary load | | 02573 |
| 2059-24 | static weighing | according to T.3.1.4 of R_134:20036, T.3.1.4 | weighing of vehicles or test loads that are stationary | | 0353801807 |
| 2060-24 | stationary <u>evidential</u> breath alcohol analyzer <u>(stationry EBA)</u> | according to 3.2.2 of R_126-1:202142, 2.2 | <u>evidential</u> breath alcohol analyzer intended only for use in a fixed location within buildings or places providing stable environmental operating conditions | <u>Note: In scope of this Recommendation, stationary EBAs are designated as use-case 1.</u> | 0353902628 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|--|--|---|-----------------------|
| 2437. | stationary measurement | according to 3.2.3 of R 91-1:2025, | speed measurement at zero ego speed, i.e. the speed meter is not moving during the measurement | Note: In other documents, stationary measurements are sometimes called static measurements or measurements from a static point. | 03785 |
| 2061.24 | stationary phase | according to 3.3 of R 83:2006, 3.3 | phase in the column composed of active immobile materials, either liquid or solid, that selectively absorbs or adsorbs sample components | | 01063 |
| 2062.24 | stationary phase | according to 2.4 of R 112:1994, 2.4 | the active immobile material within the column attached to the solid support or the solid support itself that delays the passage of sample components by one of several possible processes or by a combination of such processes | | 01476 |
| 2063.24 | stationary phase | according to 3.4 of R 113:1994, 3.4 | the liquid or solid immobile material on a solid support that causes separation of sample components through varying rates of adsorption and elution | | 01491 |
| 2064.24 | stationary phase | according to 3.5 of R 82:2006, 3.5 | phase in the column composed of active immobile materials, either liquid or solid, that selectively absorbs or adsorbs sample components | | 01049 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|---|--|---|-----------------------|
| 2442. | stationary speed meter | according to 3.2.4 of R 91-1:2025, | speed meter which is designed for stationary measurements and does not correct for non-zero ego speed | Note: A stationary speed meter is either fixed or mobile. | 03786 |
| 2065-24 | statistical control (of measurement) | according to 3.16 of D0_22:1991, 3-16 | a means for determining whether the results of measurements using a method, instrument or process over a relatively long time interval are within specified limits established by taking into account the uncertainty and error of measurement | | 00161 |
| 2066-24 | steady pressure | according to T.4 of R_101:1991, T.4 | a pressure that does not vary, or that varies continuously at speeds not exceeding: 1-% of the upper limit of the measuring range per second, for pressure gauges and vacuum gauges, 1-% of the sum of the upper limits of the measuring ranges per second, for pressure-vacuum gauges, with the greatest pressure variation in one minute not exceeding 5-% of the above values | | 01206 |
| 2067-24 | stem | according to 3.1 of R_133:2002, 3-1 | tube containing the capillary through which the thermometric liquid moves with a change of temperature | | 01774 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|--|--|--|-----------------------|
| 2068-24 | step response time | according to 3.14 of R099-1:2008, 3.14 | duration between the instant when an input quantity value of a measuring instrument or measuring system is subjected to an abrupt change between two specified constant quantity values and the instant when a corresponding indication settles within specified limits around its final steady value (referred to as “response time” in this Recommendation) [VIM:2007,4.23] | | 02347 |
| 2069-24 | storage device | according to 3.2.65 of D031:202308, 3.1.48 | storage used for keeping measurement data ready after completion of the measurement for later legally relevant purposes (e.g. the conclusion of a commercial transaction) device used for storing measurement that are necessary to construct the measurement result adaptd form [OIML V 1:2022, 6.07] | Note: See Annex C for clarification regarding measurement-related terms. | 0354102215 |
| 2448. | strain gauge | according to 3.3.1 of R 60-1:2021 | analogue resistive element that is attached to a load cell structure and thet changes resistance depending on the deformation of the load cell structure when compression or tension force are applied to the load cell | | 03601 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|--|------------------|
| 2070.24 | sub-assemblies of a heat meter, which is a combined instrument | according to 3.4 of R075-1:2002, 3.4 | the flow sensor, the temperature sensor pair and the calculator or a combination of these | | 00846 |
| 2071. | sub-assembly | D031:2008, 3.1 | part of an electronic device employing electronic components and having a recognizable function of its own | Examples: Amplifiers, comparators, power converters, etc. 2. [OIML D 11:2004, 3.3] | 02216 |
| 2072.24 | sub-assembly | according to 2.1.20 of R046-1:2012, 2.1.20 | part of a device having a recognizable function of its own | | 02299 |
| 2073.24 | sub-harmonic | according to 2.2.11 of R046-1:2012, 2.2.11 | frequency that is an integer fraction of the fundamental frequency of the signal, that is, $1/n$ times the fundamental frequency, where n is an integer greater than 1 | | 02310 |
| 2074.24 | subsequent verification | according to 2.13 of D009:2004, 2.13 | any verification of a measuring instrument after a previous verification and including: mandatory periodic verification; verification after repair [VIML, 2.16] | <u>Note:</u> Subsequent verification of a measuring instrument may be carried out before expiry of the period of validity of a previous verification either at the request of the user (owner) or when its verification is declared to be no longer valid. | 00195 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|--|-----------------------|
| 2075.24 | subsequent verification | according to 2.6 of D0_15:1986, 2.6 | any verification of a measuring instrument which follows the initial verification: mandatory periodic verification, verification after repair, or verification made before the expiry of the period of validity of the periodical verification made either : at the request of the user, or because for some reason the stamp is no longer valid for the remainder of this period of validity [VML 2.4.3] | | 00263 |
| 2076.24 | subsequent verification | according to 2.12 of D0_16:2011, 2.12 | any verification of a measuring instrument after a previous verification and including mandatory periodic verification and verification after repair [VIML 2.16] | <i>Note:</i> Subsequent verification of a measuring instrument may be carried out before expiry of the period of validity of a previous verification either at the request of the user (owner) or when its verification is declared to be no longer valid. | 02265 |
| 2455. | subsequent verification | according to 3.1.12 of D 34:2019, | verification of measuring instrument after a previous verification | | 03542 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|--|-------|
| 2456. | <u>subsequent verification</u> | <u>according to 3.1.6 of R 126-1:2021,</u> | <u>verification of measuring instrument after a previous verification</u> | <p><u>Note 1: Subsequent verification of a measuring instrument includes</u></p> <ul style="list-style-type: none"> <u>• mandatory periodic verification,</u> <u>• verification after repair, and</u> <u>• voluntary verification.</u> <p><u>Note 2: Subsequent verification of a measuring instrument may be carried out before expiry of the period of validity of a previous verification either at the request of the user (owner) or when its verification mark is declared to be no longer valid.</u></p> | 03543 |
| 2077.24 | subsequent verification of a measuring instrument | <u>according to 2.6 of D0_27:2001, 2.6</u> | any verification of a measuring instrument after a previous verification and including: mandatory periodic verification; verification after repair. [VIML 2.16] | <u>Note:</u> Subsequent verification of a measuring instrument may be carried out before expiry of the period of validity of a previous verification either at the request of the user (owner) or when its verification mark is declared to be no longer valid. | 00168 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|--|---|-------|----------------------------|
| 2078.24 | subsequent verification or in-service inspection | according to 2.18.2 of R_111-1:2004, 2.18.2 | series of tests and visual examinations, also carried out by an official of the legal metrology service (inspector), to ascertain whether the weights or weight set, having been in use for some time since the previous verification, continues to conform to, or again conforms to, regulations and maintains its metrological characteristics within the required limits. If the weights or weight set passes all tests and examinations, its legal character is either confirmed, or re-established by its acceptance as evidenced by stamping and/or the issuing of a certificate of verification. When sampling is used to verify a population of weights, all elements in the population will be deemed verified | | 01470 |
| 2079.24 | subtractive weighing instrument | according to 3.2.2.3 of R_61-1:2017, 3.1.8.3 | automatic gravimetric filling instrument for which the fill is determined by controlling the output feed from the weigh hopper AGFI for which the fill is determined by controlling the output feed from the weigh hopper | | 0354400760 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|-----------------------|
| 2080-24 | supervised body | according to 2.16 of D00_9:2004, 2.16 | body under supervision - a business involved in activities being the subject of public interest, e.g. manufacture, repair, distribution, installation and/or use of a measuring instrument and prepackages in trade transactions, health protection and protection of private property, work safety and protection of the environment, as specified by national metrological legislation | | 00198 |
| 2081-24 | supervisor | according to 3-G.3-2 of D0_29:2008, 3-G.3-2 | person on the managerial staff or appropriate internal committee of the certification body who is in charge of validating the work of evaluators and who has an appropriate knowledge of legal metrology | | 02157 |
| 2082-24 | supplementary devices | according to 2.2.4 of R0_35:2007, 2.2.4 | devices such as one or more fixed or movable hooks, rings, handles, tips, winding devices, and verniers intended to facilitate and extend the utility of the measure | | 00370 |
| 2463. | supplementary totalization indicating device | according to 2.4.2.6 of R 150-1:2020, | indicating device with a scale interval greater than that of the general totalization indicating device and intended to indicate the mass of the loads conveyed over a fairly long period of operation | | 03545 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|---|---|---|-----------------------|
| 2083-24 | supplementary totalization indicating device | according to T.4.3.3 of R_107-1:2007, T.4.3.3 | totalization indicating device with a scale interval greater than that of the principal totalization indicating device and indicating the sum of the weight values of consecutive loads weighed over a long period of time. This device may be resettable to zero by the user | | 01383 |
| 2084-24 | supplementary totalization indicating device | according to T.3.7.3 of R0_50-1:1997, T.3.7.3 | an indicating device with a scale interval greater than that of the general totalization indicating device and intended to indicate the mass of the loads conveyed over a fairly long period of operation | | 00502 |
| 2085-24 | supplier | according to 3-G.3-3 of D0_29:2008, 3-G.3-3 | - | <i>Note:</i> For this application, "supplier" must be understood as "applicant" for type evaluation or for OIML Type Evaluation. Although the instrument may be manufactured by another company, the applicant has to assume responsibility for compliance. | 02158 |
| 2467. | surveillance | according to 3.1.13 of D 34:2019, | Systemtic iteration of conformity assessment activities as a basis for maintaining the validity of the statement of conformity (from ISO/IEC 17000:2004, 6.1 and VIML, A.20) | | 03546 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|---|---|--|-----------------------|
| 2086.24 | surveillance of the use of instruments | according to 3.1.13 of D00_1:2012, 3.1.13 | Part of the metrological supervision which consists in examining whether instruments subject to legal metrology control are correctly used. | <i>Note:</i> For further terms and definitions see the publications of the OIML, the BIPM, and ILAC. | 02213 |
| 2087.24 | systolic blood pressure (value) | according to 2.10 of R0_16-1:2002, 2.10 | maximum value of the arterial blood pressure as a result of the contraction of the systemic ventricle | <i>Note:</i> Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 00315 |
| 2088.24 | systolic blood pressure (value) | according to 2.10 of R0_16-2:2002, 2.10 | maximum value of the arterial blood pressure as a result of the contraction of the systemic ventricle | <i>Note:</i> Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 00330 |
| 2471. | systolic blood pressure (value) | according to 2.12 of R 148-1:2020, | maximum value of the arterial blood pressure as a result of the contraction of the systemic ventricle | <i>Note:</i> Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 03547 |
| 2472. | systolic blood pressure (value) | according to 2.15 of R 149-1:2020, | maximum value of the arterial blood pressure as a result of the contraction of the systemic ventricle | <i>Note:</i> Because of hydrostatic effects, this value should be measured with the cuff at the heart level. | 03548 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------|--|---|--|-----------------------|
| 2089.24 | T_1 -error | according to 2.1.2.3 of R 87:2016, 2.1.2.3 | deficiency that is greater than the applicable tolerable deficiency (T) (see 2.1.17) but not greater than twice the applicable tolerable deficiency ($2T$) for the given nominal quantity $T_1\text{-error}: (Q_{\text{nom}} - 2T) \leq Q_i < (Q_{\text{nom}} - T)$ <p>where Q_{nom} is the nominal quantity</p> | <i>Note</i> : See Annex G for an example of the application of errors. | 02494 |
| 2090.24 | T_2 -error | according 2.1.2.4 of R 87:2016, 2.1.2.4 | deficiency that is greater than twice the applicable tolerable deficiency ($2T$) for the given nominal quantity $T_2\text{-error}: Q_i < (Q_{\text{nom}} - 2T)$ <p>where Q_{nom} is the nominal quantity</p> | <i>Note</i> : See Annex G for an example of the application of errors. | 02495 |
| 2091.24 | tamper proofing | according to 2.15 of R 16-1:2002, 2.15 | means of preventing the user from gaining easy access to the measuring mechanism of the device | | 00320 |
| 2476. | tamper proofing | according to 2.13 of R 148-1:2020, | means of preventing the user from gaining easy access to the measuring mechanism of the device | | 03550 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-------------------------------------|--|--|-------|-----------------------|
| 2477. | tamperproofing | according to 2.16 of R 149-1:2020, | means of preventing the user from gaining easy access to the measuring mechanism of the device | | 03551 |
| 2092-24 | tank calibration table | according to T.5 of R 125:1998, T.5 | a table which shows the relation between the height of the liquid level and the volume contained in the tank at that level under specified conditions | | 01619 |
| 2093-24 | tank capacity table | according to 2.21 of R 80-1:2009, 2.21 | table which shows the relation between the liquid level and the volume contained in the tank (compartment) at that level under reference conditions (including the position of the tank) | | 02260 |
| 2480. | tank capacity table | according to 2 of R 80-2:2017, | table which shows the relation between the liquid level and the volume contained in the tank (compartment) at that level under reference conditions (including the position of the tank) | | 03552 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|-------|-----------------------|
| 2094.24 | tank or compartment calibration (tank calibration) | according to 2.12 of R0_80-1:2009, 2.12 | <p>set of operations to determine the capacity of a tank or compartment, using methods satisfying the technical and metrological requirements, such as measurement at one or several filling levels by means of geometric size measurement, gravimetric, or volumetric method.</p> <p>The gravimetric method determines the volume of liquid in the tank by means of weighing; the volumetric method determines the volume of liquid in the tank by means of measuring the volume of liquid entered in or emptied from the tank.</p> | | 02251 |
| 2482. | tank or compartment calibration (tank calibration) | according to 2 of R 80-2:2017, | <p>set of operations to determine the capacity of a tank or compartment, using methods satisfying the technical and metrological requirements, such as measurement at one or several filling levels by means of geometric size measurement, gravimetric, or volumetric method.</p> <p>The gravimetric method determines the volume of liquid in the tank by means of weighing; the volumetric method determines the volume of liquid in the tank by means of measuring the volume of liquid entered in or emptied from the tank.</p> | | 03553 |
| 2095.24 | tare balancing device | according to T.2.7.4.1 of R0_76-1:2006, T.2.7.4.1 | tare device without indication of the tare value when the instrument is loaded | | 00926 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------|---|---|-------|-------|
| 2096-24 | tare balancing device | according to T.2.10.10.1 of R0_51-1:2006, T.2.10.10.1 | tare device without indication of the tare value (T.3.2.3) when the instrument is loaded | | 00618 |
| 2097-24 | tare device | according to T.2.7.4 of R0_76-1:2006, T.2.7.4 | <p>device for setting the indication to zero when a load is on the load receptor:</p> <ul style="list-style-type: none"> - without altering the weighing range for net loads (additive tare device); or - reducing the weighing range for net loads (subtractive tare device). <p>It may function as:</p> <ul style="list-style-type: none"> - a non-automatic device (load balanced by an operator); - a semi-automatic device (load balanced automatically following a single manual command); or - an automatic device (load balanced automatically without the intervention of an operator). | | 00925 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------|--|--|-------|-------|
| 2098:24 | tare device | according to T.2.10.10 of R0_51-1:2006, T.2.10.10 | <p>device for setting the indication to zero when a load is on the load receptor:</p> <ul style="list-style-type: none"> - without altering the weighing range for net loads (additive tare device); or - reducing the weighing range for net loads (subtractive tare device). <p>It may function as:</p> <ul style="list-style-type: none"> - a non-automatic device (load balanced by operator); - a semi-automatic device (load balanced automatically following a single manual command); - an automatic device (load balanced automatically without the intervention of an operator) | | 00617 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------|--|---|--|-----------------------|
| 2099-24 | tare device | according to 3.3.5.1 of R0_61-1:2017 04, T.2.5 | <p>device for taring:</p> <p>without altering the weighing range for net loads (additive tare device); or</p> <p>reducing the weighing range for net loads (subtractive tare device).</p> <p>The tare device may function as:</p> <p>a nonautomatic device (load balanced by the operator or tare preset by the operator);</p> <p>a semi automatic device (load balanced automatically following a single manual command); or</p> <p>an automatic device (load balanced automatically without the intervention of an operator)</p> <p>device for setting the indication to zero when a load is on the load receptor:</p> <p>a) without altering the weighing range for net loads (additive tare device); or</p> <p>b) reducing the weighing range for net loads (subtractive tare device)</p> | <p><i>Note:</i> The tare device functions as</p> <p>a) a non-automatic device (load balanced by operator),</p> <p>b) a semi-automatic device (load balanced automatically following a single manual command),</p> <p>c) an automatic device (load balanced automatically without the intervention of an operator).</p> | 0355400782 |
| 2100-24 | tare value, T | according to T.3.2.3 of R0_51-1:2006, T.3.2.3 | weight value of a load, determined by a tare weighing device | | 00630 |
| 2101-24 | tare value, T | according to T.5.2.3 of R0_76-1:2006, T.5.2.3 | weight value of a load, determined by a tare weighing device | | 00969 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|----------------------------------|---|---|-------|-----------------------|
| 2102-24 | tare weighing device | according to T.2.7.4.2 of R0_76-1:2006, T.2.7.4.2 | tare device that stores the tare value and that is capable of displaying or printing it whether or not the instrument is loaded | | 00927 |
| 2103-24 | tare weighing device | according to T.2.10.10.2 of R0_51-1:2006, T.2.10.10.2 | tare device that stores the tare value (T.3.2.3) and is capable of indicating or printing it whether or not the instrument is loaded | | 00619 |
| 2492. | target switching | according to 3.4.14 of R 91-1:2025, | switching of the target from one vehicle to a different vehicle during the measurement | | 03788 |
| 2104-24 | tariff control device | according to 3.1.9 of R0_49-1:202413, 3.1.9 | device that allocates measured values into different registers depending on tariff or other criteria, each register having the possibility to be read individually | | 02377 |
| 2105-24 | taxi | according to 2.1.2 of R0_21:2007, 2.1.2 | vehicle, typically a car controlled by a driver, that takes passengers on a journey in exchange for a fare | | 00339 |
| 2106-24 | taxi identification number | according to 2.2.9 of R0_21:2007, 2.2.9 | numbers and/or letters identifying the taxi or the national registration number specified for the taxi | | 00358 |
| 2107-249 | taximeter | according to 2.1.1 of R0_21:2007, 2.1.1 | instrument intended to measure duration and distance on the basis of a signal delivered by a distance measurement transducer, and to calculate and indicate the fare to be paid on the basis of the measured distance and/or duration | | 00338 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|-------|----------------------------|
| 2108.24 | temperature (t) | according to 2.14 of R_111-1:2004, 2.14 | dimensionless quantity numerically equal to a change in the radiance temperature of the ribbon (in °C) under changes of the ambient temperature by 1 °C at a constant lamp current | | 01462 |
| 2109.24 | temperature coefficient of the lamp | according to 2.7 of R_48:2004, 2.7 | change in minimum dead load output due to a change in ambient temperature | | 00407 |
| 2110.24 | temperature drift, T_d | according to 2.2.3 of R_147:2016, 2.2.3 | temperature drift of the BBR during its operation in a specified stationary temperature mode | | 02824 |
| 2111.25 | temperature effect on minimum dead load output | according to 3.7.19 of R_60-1:2021100, 2.4.16 | change in sensitivity due to a change in ambient temperature change of the signal output under minimum dead load due to a change in ambient temperature | | 0355500743 |
| 2112.25 | temperature effect on sensitivity | according to 3.7.20 of R_60-1:2021R060:2000, 2.4.17 | change in a value of radiance temperature (in °C) of the tungsten ribbon caused by a given change in the current within its circuit change in sensitivity due to a change in ambient temperature | | 0355600744 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|-------|
| 2113.25 | temperature equivalent of a change in the current within the lamp circuit | according to 2.10 of R048:2004, 2.10 | difference between the radiance temperature values obtained across the surface of the tungsten ribbon in the field of view. The temperature inhomogeneity is characterized by a maximum variation in temperature values obtained as a result of measurements when observing along and across the ribbon within the marked area relative to the position determined by the index and the center of the ribbon after the field of view has been displaced within the specified limits | | 00410 |
| 2114.25 | temperature inhomogeneity of the target area | according to 2.5 of R048:2004, 2.5 | a temperature probe is the component of a thermometer of which part is applied to a body cavity or tissue with which it establishes thermal equilibrium. It comprises a temperature sensor with associated parts including coverings, seals, inner leads, and connecting plug, where appropriate | | 00405 |
| 2115.25 | temperature instability, T_{ki} | according to 2.2.2 of R147:2016, 2.2.2 | instability of the BBR temperature maintained [or 'controlled'] in a specified stationery temperature mode | | 02823 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|------------------------------------|---|---|---|-----------------------|
| 2116.25 | temperature probe | according to 2.2 of R_115:1995, 2.2 | a means of automatically controlling the rate and duration of the temperature rise of a furnace-type AAS system component of a thermometer of which part is applied to a body cavity or tissue with which it establishes thermal equilibrium. It comprises a temperature sensor with associated parts including coverings, seals, inner leads, and connecting plug, where appropriate | Note 1: 1. A body cavity or tissue may be the mouth (sublingual), rectum, or armpit. Note 2: 2. The part of the probe in contact with a body cavity or tissue is called the applied part | 0355701510 |
| 2117.25 | temperature probe | according to 2.2 of R_114:1995, 2.2 | a temperature probe is the component of a thermometer of which part is applied to a body cavity or tissue with which it establishes thermal equilibrium. It comprises a temperature sensor with associated parts including coverings, seals, inner leads, and connecting plug, where appropriate | Note 1: 1. A body cavity may be the rectum, esophagus, or a surgically created cavity. Note 2: 2. The part of the probe in contact with a body cavity is called the applied part. | 01506 |
| 2118.25 | temperature programming | according to 3.10 of R_100-1:2013, 3.10 | means of automatically controlling the rate and duration of the temperature rise of a furnace-type AAS system | | 02521 |
| 2119.25 | temperature sensor | according to 2.25 of R_80-1:2009, 2.25 | measuring device for the temperature of the liquid | | 02264 |
| 2509. | temperature sensor | according to 2 of R 80-2:2017, | measuring device for the temperature of the liquid | | 03558 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|---|---|-------|----------------------------|
| 2120.25 | temperature sensor pair | according to 3.4.2 of R0_75-1:2002, 3.4.2 | a sub-assembly (for mounting with or without pockets), which senses the temperatures of the heat conveying liquid at the flow and return of a heat exchange circuit | | 00848 |
| 2121.25 | temperature stability | according to 3.4.8 of R0_49-1:202413, 3.4.8 | condition in which all parts of the <i>equipment under test</i> (3.1.17) have a temperature within 3 °C of each other, or as otherwise specified in the relevant specification of its final temperature | | 02428 |
| 2122.25 | template | according to T.1.8 of R_136-1:2004, T.1.8 | wear-resistant and dimensionally stable flexible material (e.g. rubber or reinforced rubber) of at least 1 mm thickness and of circular or irregular form | | 01887 |
| 2123.25 | tension loading | according to 3.2.1.2 of R0_60-1:202100, 2.1.1.2 | applying a tension force applied to the load receptor of a load cell | | 0355900703 |
| 2124.25 | terminal | according to T.2.2.5 of R0_76-1:2006, T.2.2.5 | digital device that has one or more keys (or mouse, touch-screen, etc.) to operate the instrument, and a display to provide the weighing results transmitted via the digital interface of a weighing module or an analog data processing device | | 00901 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--------------------------|--|--|-------|-----------------------|
| 2515. | terminal | according to 3.3.11.6 of R 61-1:2017, | digital device equipped with operator interface(s) such as keypad, mouse, touch-screen, etc. used to monitor the operations of the instrument. Also equipped with a display to provide the feedback to the operator, such as: weighing results, pre-set value, fills per minute, etc. transmitted via the digital interface of a weighing module or an analog data processing device | | 03684 |
| 2516. | terminal | according to 2.2.8.8 of R 150-1:2020, | digital device equipped with operator interface(s) such as keypad, mouse, touch-screen, etc. used to monitor the operations of the instrument, often equipped with a display to provide the feedback to the operator, such as weighing results, mass flowrate, etc. transmitted via the digital interface of a weighing module or an analog data processing device | | 03560 |
| 2125-25 | test | according to T.35 of R_125:1998, T.35 | a series of operations intended to verify the compliance of the equipment under test with certain requirements | | 01658 |
| 2126-25 | test | according to 3.32 of R0_99-1:2008, 3.32 | series of operations intended to verify the compliance of the equipment under test (EUT) with specified requirements [OIML D 11:2004, 3.20] | | 02368 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------|---|---|--|----------------------------|
| 2127.25 | test | according to 2.4.1 of R_129-1:202000, 2.33 | a series of operations intended to verify the compliance of the EUT (equipment under test) with certain requirements | | 0356101734 |
| 2520. | test | according to A.1.10 of R 60-1:2021, Annexes | series of operations intended to verify the compliance of the equipment under test (EUT) with specified requirements (OIML D 11, 3.21) | | 036014 |
| 2128. | test | D031:2008, 3.1.50 | series of operations intended to verify the compliance of the equipment under test (EUT) with the specified requirements [OIML D 11:2004, 3.20] | | 02217 |
| 2129.25 | test | according to 3.4.4 of R_137:2012, 3.4.4 | series of operations intended to verify the compliance of the equipment under test (EUT) with certain requirements [OIML D11, 3.20] | | 02693 |
| 2130.25 | test | according to 2.15 of R_111-1:2004, 2.15 | technical operation that consists of the determination of one or more characteristics or performance of a given product, material, equipment, organism, physical phenomenon, process or service according to a specified procedure. | <i>Note:</i> Based on 13.1. Test, ISO/IEC Guide 2:1996 Standardization and Related Activities — General Vocabulary | 01463 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|--|--|-----------------------|
| 2131.25 | test | according to 3.21 of D0_11:2013, 3.21 | series of operations intended to verify the compliance of the equipment under test (EUT) with specified requirements | | 02241 |
| 2132.25 | test cycle | according to 2.8 of R0_39:2006, 2.8 | sequence of applying the test forces during the Rockwell hardness test. The test cycle may be described by force variations with time as the indenter penetrates the test sample | | 00386 |
| 2133.25 | test element (of an indicating device) | according to 3.2.20 of R_137:2012, 3.2.20 | device to enable precise reading of the measured gas quantity | | 02676 |
| 2134.25 | test flow rate | according to 3.3.13 of R0_49-1:202413, 3.3.13 | mean <i>flow rate</i> (3.3.1) during a test, calculated from the indications of a calibrated reference device | | 02419 |
| 2527. | test item | according to 3.2.66 of D 31:2023, | property or function of software module that may be subject to a test | Note 1: Test items are typically examined and tested as part of remote verification procedures. Note 2: Examples of potential test items include correctness of algorithms, software identity and software integrity. | 03700 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---------------------------------|--|--|--|-----------------------|
| 2528. | test interface | according to 3.1.7 of R 91-1:2025. | software or hardware interface from which measurement signals or data can be read or to which measurement signals can be inserted | Note: To record and analyse signals from field experiments or to insert recorded or artificial data, e.g. to support metrological control. | 03789 |
| 2529. | Test Laboratory | according to G.3-2 of D 30:2020. | laboratory performing certain or all test on type of measuring instrument. A Test Laboratory is designated by an OIML Issuing Authority and accepted by the OIML-CS Management Committee | Note 1: A Test Laboratory may be an internal Test Laboratory of an OIML Issuing Authority, a third-party Test Laboratory or Manufacturer's Test Laboratory (MTL). Note 2: The OIML Issuing Authority, and not the Test Laboratory, is responsible for issuing the OIML type evaluation report. Note 3: In the OIML-CS the term "Test Laboratory" is used instead of the term "Testing Laboratory". | 03562 |
| 2135.25 | test level | according to 3.21.3 of D 11:2013, 3.21.3 | required (simulated) influence quantity value for performing the test | | 02244 |
| 2531. | test mode | according to 3.1.5 of D 91-1:2025. | mode of operation in which speed measurements for test and examination purposes are carried out | | 03790 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------|--|--|-------|----------------------------|
| 2136-25 | test object | according to 1.2.7 of D0_20:1988, 1.2.7 | a physical object, device, or material that is subject to a measurement and embodies the physical quantity to be measured or calibrated | | 00141 |
| 2137-25 | test object | according to 2.4.5 of R_129-1:202000, 2.33.4 | an —object whose dimensions are verified by appropriate reference standards and intended to verify the compliance of the EUT with certain metrological requirements | | 0356301738 |
| 2138-25 | test output | according to 2.1.17 of R0_46-1:2012, 2.1.17 | device which can be used for testing the meter, providing pulses or the means to provide pulses corresponding to the energy measured by the meter | | 02296 |
| 2139-25 | test procedure | according to T.35.1 of R_125:1998, T.35.1 | a detailed description of the tests | | 01669 |
| 2140-25 | test procedure | according to 3.21.1 of D0_11:2013, 3.21.1 | detailed description of the test operations | | 02242 |
| 2141-25 | test procedure | according to 3.4.5 of R_137:2012, 3.4.5 | detailed description of the test operations [OIML D11, 3.20.1] | | 02694 |
| 2142-25 | test procedure | according to 2.4.2 of R_129-1:202000, 2.33.1 | a —detailed description of the tests | | 0356401735 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|--|---|-------|------------------------|
| 2539. | test procedure | according to A.1.11 of R 60-1:2021, Annexes | detailed description of the test operations (OIML D 11, 3.21.1) | | 03615 |
| 2143-25 | test program | according to T.35.2 of R_125:1998, T.35.2 | a description of a series of tests for certain types of equipment | | 01660 |
| 2144-25 | test program | according to 3.21.2 of D0_11:2013, 3.21.2 | description of a series of tests for certain types of equipment [VIML 5.20] | | 02243 |
| 2145-25 | test program | according to 3.4.6 of R_137:2012, 3.4.6 | description of a series of tests for a certain type of equipment [OIML D11, 3.20.2] | | 02695 |
| 2146-25 | test program | according to 2.4.3 of R_129:2000, 2.33.2 | a description of a series of tests for a certain type of equipment | | 03565 01736 |
| 2147-25 | test weight (m_t) | according to 2.16 of R_111-1:2004, 2.16 | weight that is to be tested according to this Recommendation | | 01464 |
| 2545. | testing | according to 3.1.14 of D 34:2019, | determination of one or more characteristics of an object of conformity assessment, according to a procedure (from ISO/IEC 17000:2004, 4.2 and VIML, A.10) | | 03566 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------|--|--|---|------------------|
| 2148.25 | testing laboratory | according to 1.1 of D019:1988, 1.1. | a laboratory which measures, examines, tests, calibrates or otherwise determines the characteristics or performance of materials or products | | 00132 |
| 2149. | Testing Laboratory | D030:2008, 3-G.3-1 | any necessary specialized laboratory or laboratories designated by the Issuing Authority to carry out examination and testing of a sample or samples of a measuring instrument submitted for evaluation, with the Issuing Authority assuming responsibility for the evaluation report | 1. When used in connection with the MAA, a Testing Laboratory may be part of the organization containing the OIML Issuing Authority, or a subcontracting Testing Laboratory of the OIML Issuing Authority. 2. A Testing Laboratory may be a subcontractor of an inspection body. | 02163 |
| 2150.25 | thermal test object | according to 2.5 of R_141:2008, 2.5 | device intended to create a plane picture containing a heat- radiating object with a preset spatial frequency, or shape or temperature contrast on a uniform radiating background with a known temperature value and a known emittance value of the object and background | | 02109 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|-------|-------|
| 2151.25 | thermogram | according to 2.2 of R_141:2008, 2.2 | multiple-element, two-dimensional image, each element being attributed a color, or a color gradation, or a screen brightness level, which is determined in correspondence with a conventional radiation scale | | 02106 |
| 2152.25 | thermographic instrument | according to 2.1 of R_141:2008, 2.1 | optoelectronic instrument designed for non-contact (remote) observation, measurement and registration of the space/space- time distribution of the radiation temperature of objects, in the field of view of the instrument, by forming a time sequence of thermograms and by determining the temperature of the object surface on the basis of the known emittance and influence parameters (ambient temperature, atmospheric transmission, observation distance, etc.) | | 02105 |
| 2153.25 | tilt limiting device | according to T.2.10.7 of R0_51-1:2006, T.2.10.7 | device which prevents the instrument from operating above a predetermined value of tilt | | 00610 |
| 2154.25 | time necessary to reach thermal equilibrium | according to 2.2 of R0_48:2004, 2.2 | minimum time period ranging from the moment of switching on a lamp to the moment at which thermal equilibrium is reached, expressed in temperature stability of the tungsten ribbon of a lamp | | 00402 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|----------------------|---|--|--|----------------------------|
| 2155.25 | time stamp | according to 3.2.67 of D0_31:202308, 3.1.51 | unique monotonically increasing time -value, e.g. in seconds or a date and time string denoting the date and/or time at which a certain <u>incident (e.g. measurement or event)</u> or fault occurred. This data is presented in a consistent format, allowing for easy comparison of two different records and tracking progress over time | | 0356702218 |
| 2156.25 | tolerable deficiency | according to 2.1.17 of R0_87:2016, 2.1.17 | permitted deficiency in the quantity of product in a prepackage | <p><i>Note 1:—</i>_____The symbol “T” is used to designate tolerable deficiency.</p> <p><i>Note 2:—</i>_____Tolerable deficiency is sometimes referred to as the tolerable negative error, limits of error or tolerances.</p> <p><i>Note 3:—</i>_____By convention T is a positive number but, in use it represents a negative value of quantity, or negative error.</p> | 02510 |
| 2554. | <u>tolerance</u> | according to 2.5 of R 84:2003, | maximum permissible deviation of the temperature t (°C), calculated from the thermometer resistance using the relative resistance tables (Annex A), from the true (measured) temperature. | | 03568 |
| 2157.25 | top loading | according to 2.36 of R0_80-1:2009, 2.36 | loading of a measuring compartment from the top through the fill hole cover opened for this purpose | | 02275 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|---|-------|-----------------------|
| 2556. | top loading | according to 2 of R 80-2:2017, | loading of a measuring compartment from the top through the fill hole cover opened for this purpose | | 03569 |
| 2158.25 | total area of a parcel of leather (A_{total}) | according to T.3.4 of R_136-1:2004, T.3.4 | sum of the areas of pieces of leather individually measured and bundled into a parcel | | 01902 |
| 2159.25 | total capacity | according to T.2 of R_095:1990, T.2 | the maximum volume of liquid the tank may contain up to overflowing under rated operating conditions, at reference temperature | | 01138 |
| 2160.25 | total capacity | according to 2.7 of R_80-1:2009, 2.7 | maximum volume of liquid which a tank or compartment may contain up to overflowing, under rated operating conditions and at reference temperature | | 02246 |
| 2560. | total capacity | according to 2 of R 80-2:2017, | maximum volume of liquid which a tank or compartment may contain up to overflowing, under rated operating conditions and at reference temperature | | 03570 |
| 2561. | totalisation device | according to 2.2.5 of R 150-1:2020 | device that uses information supplied by the force receptor to integrate over the mass of product passing along the force receptor | | 03571 |
| 2161.25 | totalization device | according to T.2.3 of R_107-1:2007, T.2.3 | device that calculates the sum of consecutive loads weighed and discharged to bulk | | 01332 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|-------|----------------------------|
| 2162.25 | totalization device | according to 2.2.5 of R 50-1:2014 1997 , T.3.6 | a device that uses information supplied by the weighing unit and the displacement transducer to do either: -an addition of partial loads, or -an integration of the product of the load per unit length and the speed of the belt device that uses information supplied by the weighing module and the displacement transducer, either - to add partial loads, or - to integrate the product of the load per unit length and the speed of the belt | | 0357200498 |
| 2163.25 | totalization indicating device | according to T.4.3 of R 107-1:2007 , T.4.3 | device that indicates the sum of the weight values of consecutive loads weighed and discharged to bulk | | 01380 |
| 2164.25 | totalization indicating device | according to 2.4.2.3 of R 50-1:2014 R 50-1:1997 , T.3.7 | a device that receives information from the totalization device and indicates the mass of the loads conveyed device that receives information from the totalization device and indicates the mass of the loads conveyed | | 0357300499 |
| 2566. | totalization indicating device | according to 2.4.2.3 of R 150-1:2020 | device that receives information from the totalization device and indicates the mass of the loads conveyed | | 03603 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|---|---|-------|----------------------------|
| 2165-25 | totalization scale interval (d) | according to 2.3.1.1 of R 50-1:2014R050-1:1997, T.4.1.1 | the value, expressed in units of mass, of the difference between two consecutive indicated values, for general and partial totalization devices, with the instrument in its normal weighing mode difference between two consecutive indicated values, expressed in units of mass, with the instrument in its normal weighing mode | | 0357400514 |
| 2166-25 | totalization scale interval, d_t | according to T.3.1.1 of R_107-1:2007, T.3.1.1 | scale interval of a principal totalization indicating device | | 01358 |
| 2569. | totalisation scale interval, d | according to 2.3.1.1 of R 150-1:2020, | difference between two consecutive indicated values, expressed in units of mass, with the instrument in its normal weighing mode | | 03575 |
| 2570. | totalisation scale interval for testing, e | according to 2.3.1.2 of R 150-1:2020, | difference between two consecutive indicated values, expressed in units of mass, with the instrument a special mod for testing purposes. This scale interval for testing, e, is equal to totalisation scale interval, d, if the special mode is not available | | 03576 |
| 2167-25 | traceability | according to 3.17 of D0_22:1991, 3.17 | the property of a result of a measurement whereby it can be related to appropriate standards through an unbroken chain of comparisons | | 00162 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------|---|---|---|-------|
| 2168-25 | traceability | according to 3.11 of R_131:2001, 3.11 | property of the result of a measurement or value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties | | 01752 |
| 2169-25 | traceability | according to 3.11 of R_132:2001, 3.11 | property of the result of a measurement or value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties | | 01768 |
| 2170-25 | traceability | according to 4.12 of R_127:1999, 4.12 | property of the result of a measurement or value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons, all having stated uncertainties | | 01686 |
| 2171-25 | traceability of a measurement | according to T.2.7 of R_140:2007, T.2.7 | property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties (adapted from VIM:2007, 2.41) | (adapted from VIM:2007, 2.41) | 02073 |
| 2172-25 | train | according to 0.1.10 of R_106-1:2011, 0.1.10 | number of wagons coupled together with or without a locomotive | | 02531 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------|---|---|---|-------|
| 2173-25 | train mass | according to 0.3.1.6 of R_106-1:2011, 0.3.1.6 | mass of the train combination including all wagon mass and excluding the locomotive | | 02577 |
| 2174-25 | train weighing | according to 0.3.1.3.3 of R_106-1:2011, 0.3.1.3.3 | determining the totalized mass of a number of wagons coupled together | | 02572 |
| 2175-25 | transaction | according to 2.38 of R_80-1:2009, 2.38 | delivery of liquid products from one or several measuring compartments to a recipient | <p><u>Note:</u> The transaction can also be a receipt (e.g. a milk collecting truck). A transaction is settled when the parties interested in the transaction have made their agreement known (explicitly or implicitly) as regards the amount of the transaction. This may be a payment, signing a credit card voucher, signing a delivery order, etc.</p> <p>The parties interested in a transaction may be the parties themselves or their representatives (for example: the employee in a filling station, the driver of a tanker).</p> | 02277 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------|--------------------|--|--|--|--------------|
| <u>2580.</u> | <u>transaction</u> | <u>according to 2 of R 80-2:2019,</u> | <u>delivery of liquid products from one or several measuring compartments to a recipient</u> | <p><u>Note: The transaction can also be a receipt (e.g. a milk collecting truck). A transaction is settled when the parties interested in the transaction have made their agreement known (explicitly or implicitly) as regards the amount of the transaction. This may be a payment, signing a credit card voucher, signing a delivery order, etc.</u></p> <p><u>The parties interested in a transaction may be the parties themselves or their representatives (for example: the employee in a filling station, the driver of a tanker).</u></p> | <u>03577</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--------------------------------|---|---|---|----------------------------|
| 2176.25 | transducer | according to T.t.1 of R_117-1:2007, T.t.1 | part of the measuring device that provides an output signal, representing volume or mass, having a determined relationship to the input signal. (See also T.a.8) The transducer can either be incorporated with the meter sensor or be external to the meter sensor. In the latter case, it can be approved either with the sensor or with the calculator. | (See also T.a.8) <u>Note 1: The transducer can either be incorporated with the meter sensor or be external to the meter sensor. In the latter case, it can be approved either with the sensor or with the calculator.</u> <u>Note 2: A pulser is a specific type of measuring transducer.</u> | 0357801602 |
| 2177.25 | transducer | according to 3.5 of R_85-1:2008, 3.5 | device that provides an output quantity, having a determined relationship to the input quantity | | 02303 |
| 2178.25 | transfer point | according to T.t.2 of R_117-1:201907, T.t.2 | point at which the liquid is defined as being delivered or received | | 0357901603 |
| 2179.25 | transfer point | according to 2.30 of R_80-1:2009, 2.30 | point at which the liquid is defined as being delivered or received | | 02269 |
| 2585. | transfer point | according to 2.30 of R 80-1:2009, | point at which the liquid is defined as being delivered or received | | 03580 |
| 2180.25 | transfer point | according to 3.2.13 of R_139-1:202214, 3.2.13 | point (physical location) in the measuring system downstream of the meter after which the gas is defined as being delivered | | 0360202733 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-----------------------------------|--|--|-------|-------|
| 2181-25 | transfer point | according to 3.18 of R0_81:1998, 3.18 | the point at which the quantity of liquid measured is defined as being delivered or received | | 01027 |
| 2182-25 | transformer operated meter | according to 2.1.6 of R0_46-1:2012, 2.1.6 | meter intended for use with one or more external instrument transformers | | 02285 |
| 2183-25 | transition time, t_t | according to 2.2.4 of R_147:2016, 2.2.4 | required time for the BBR to pass from one stationary temperature mode to another | | 02825 |
| 2184-25 | transitional current (I_{tr}) | according to 2.2.4 of R0_46-1:2012, 2.2.4 | value of current at and above which the meter is specified by the manufacturer to lie within the smallest maximum permissible error corresponding to the accuracy class of the meter | | 02303 |
| 2185-25 | transitional flow rate Q_2 | according to 3.3.4 of R0_49-1:202413, 3.3.4 | flow rate (3.3.1) between the <i>permanent flow rate</i> (3.3.2) and the minimum flow rate that divides the flow rate range into two zones, the upper flow rate zone and the lower flow rate zone, each characterized by its own <i>maximum permissible error(s)</i> (3.2.5) | | 02410 |
| 2186-25 | transitional flow rate, Q_t | according to 3.3.4 of R_137:2012, 3.3.4 | flow rate which occurs between the maximum flow rate Q_{max} and the minimum flow rate Q_{min} that divides the flow rate range into two zones, the “upper zone” and the “lower zone”, each characterized by its own maximum permissible error | | 02682 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|--|-----------------------|
| 2187-25 | transitory fault | according to 4.10.2 of R 75-1:2002, 4.10.2 | momentary variations in the indication which cannot be interpreted, memorized or transmitted as measurements | | 00865 |
| 2188-25 | transmission of measurement data | according to 3.2.68 of D 31:202308, 3.1.52 | electronic transportation of measurement data via communication lines or networks or other means to receive a distant electronic device where they are further processed and/or used for legally regulated purposes | | 0358102219 |
| 2595. | transmission of measurement data | according to 3.3.12 of R 126-1:2021 | electronic transportation of measurement data via communication lines or other means to receive where they are further processed (OIML D 31, 3.1.56) | | 03582 |
| 2189-25 | transmittance ($\tau = \Phi_{tr} / \Phi_0$) | according to 2.4 of R 135:2004, 2.4 | ratio of the transmitted radiant luminous flux to the incident flux | Note 1: 1. ISO 6286, Table 1, No. 4. Note 2: 2. Transmittance has the dimension one and is expressed with the derived coherent SI unit one (1). | 01843 |
| 2190-25 | transmitted flux (Φ_{tr}) | according to 2.3 of R 135:2004, 2.3 | radiant luminous flux of the radiation emerging from the medium through an external surface which in the flux direction is opposite to the external surface of the flux incidence | Note 1: Adapted from ISO 6286, Table 1, No. 2. Note 2: 2. The coherent SI unit is the watt (W). | 01842 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|---|---|---|-----------------------|
| 2598. | transportable evidential breath alcohol analyser (transportable EBA) | according to 3.2.3 of R 126-1:2021, | easily transportable evidential breath alcohol analyser intended for use in mobile applications (e.g. in vehicles) | Note: In scope of this Recommendation, transportable EBAs are designated as use-case 2. | 03583 |
| 2191-25 | transportable measuring tank | according to 2.1 of R 80-1:2009, 2-1 | container, suitable for use as a volume measuring device for liquids, fixed on a truck (or on a railcar) or detachably connected to it, which may be subdivided into several measuring compartments | Note: Hereafter referred to as measuring tank or tank. | 02240 |
| 2600. | transportable measuring tank | according to 2 of R 80-2:2017, | container, suitable for use as a volume measuring device for liquids, fixed on a truck (or on a railcar) or detachably connected to it, which may be subdivided into several measuring compartments | Note: Hereafter referred to as measuring tank or tank. | 03584 |
| 2192-26 | transverse axis and roll angle | according to 2.28 of R 80-1:2009, 2-28 | horizontal axis of the tank perpendicular to the longitudinal axis, when the tank is in its normal position. The vertical angle by which this axis is rotated is referred to as the roll angle. It is positive if the right part of the tank (in relation to the direction of travel) is lifted | | 02267 |
| 2602. | transverse axis and roll angle | according to 2 of R 80-2:2017, | horizontal axis of the tank perpendicular to the longitudinal axis, when the tank is in its normal position. The vertical angle by which this axis is rotated is referred to as the roll angle. It is positive if the right part of the tank (in relation to the direction of travel) is lifted | | 03585 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|---|--|-----------------------|
| 2603. | trigger distance | according to 3.1.12 of R 91-1:2025, | horizontal distance along the road from the speed meter to the trigger line | | 03791 |
| 2604. | trigger line | according to 3.1.11 of R 91-1:2025, | physical or virtual line segment on one or several lanes of the road at which automatic speed measurements are carried out | Note 1: The trigger line is typically perpendicular to the direction of the road. Note 2: The trigger line is not necessarily in the same position for every measurement. | 03792 |
| 2193-26 | true (reference) quantity | according to T.q.1.1 of R_117-1:201907, T.q.1.1 | total volume or mass that has passed through the meter during a measurement. Often referred to as "known quantity" | | 0358601592 |
| 2606. | true quantity value | according to 2.1.5 of R 150-1:2020 | quantity value consistent with the definition of quantity | | 03587 |
| 2194-26 | true value of pressure | according to 2.4.1 of R_110:1994, 2.4.1 | a pressure value that is perfectly consistent with the definition of pressure | | 01429 |
| 2195-26 | true volume, V_t | according to 2.9 of R 80-1:2009, 2.9 | conventional true value of volume of liquid in a tank or compartment at working temperature t . | | 02248 |
| 2609. | true volume, V_t | according to 2 of R 80-2:2017, | conventional true value of volume of liquid in a tank or compartment at working temperature t. | | 03588 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|-------------------------------|---|---|-------|-----------------------|
| 2196.26 | type | according to 2.17 of R_111-1:2004, 2.17 | definite model of weights or weight set to which it conforms | | 01465 |
| 2197.26 | type | according to T.3.4 of R0_76-1:2006, T.3.4 | definitive model of a weighing instrument or module (including a family of instruments or modules) of which all of the elements affecting its metrological properties are suitably defined | | 00955 |
| 2612. | type approval | according to 3.1.15 of D 34:2019, | decision of legal relevance, based on the review of type evaluation report, that the type of e measuring instrument complies with the relevant statutory requirements and results in the issuance of the type approval certificate (form VIML, 2.05) | | 03589 |
| 2613. | type approval | according to 3.1.11 of R 60-1:2021, | decision of legal relevance, based on the review of type evaluation report, that the type of e measuring instrument complies with the relevant statutory requirements and results in the issuance of the type approval certificate [VIML, 2.05] | | 03590 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|--|--|--|--|-----------------------|
| 2614. | type approval | according to 3.26 of D 5:2022, | decision of legal relevance, based on the review of type evaluation report, that the type of e measuring instrument complies with the relevant statutory requirements and results in the issuance of the type approval certificate [VIML, 2.05] | Note: See also VIML, A.25 | 03591 |
| 2615. | type approval | according to G.3-2 of D 37:2022, | decision of legal relevance, based on the review of type evaluation report, that the type of e measuring instrument complies with the relevant statutory requirements and results in the issuance of the type approval certificate (VIML 2.05) | Note: For the purposes of the OIML-CS, “ type approval certificate ” should be read as “ OIML certificate ”. | 03592 |
| 2616. | type approval [VIML 2.05] | according to 3.19 of R 142-1:2025, | decision of legal relevance, based on the review of type evaluation report, that the type of e measuring instrument complies with the relevant statutory requirements and results in the issuance of the type approval certificate | Note: See also VIML A.25 | 03732 |
| 2617. | type approval mark | according to 3.7.21 of R 60-1:2021, | mark applied to a measuring instrument certifying its conformity to the approved type [VIML 3.07] | | 03593 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------|---|--|---|-----------------------|
| 2618. | type evaluation | according to 3.1.16 of D 34:2019, | conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report and / or an evaluation certificate | Note: “Pattern” is used in legal metrology with the same meaning as “type”. | 03594 |
| 2198-26 | type evaluation (pattern) | according to 2.1.15 of R 59-1:2016, 2.1.15 | conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report and/or an evaluation certificate [VIML 2.04] | <i>Note:</i> ‘Pattern’ is used in legal metrology with the same meaning as ‘type’; in the entries below, only ‘type’ is used. | 02456 |
| 2199-26 | type evaluation (pattern) | according to 2.1 of R 146-1:2016, 1.16 | {conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report and / or an evaluation certificate [VIML 2.04]} | {Note “Pattern” is used in legal metrology with the same meaning as “type”; in the entries below, only “type” is used.} | 02797 |
| 2200-26 | type evaluation (pattern) | according to 2.3 of D 27:2001, 2.3 | systematic examination and testing of the performance of one or more specimens of an identified type (pattern) of measuring instruments against documented requirements, the results of which are contained in the evaluation report, in order to determine whether the type may be approved [VIML 2.5] | <i>Note:</i> “Pattern” is used in legal metrology with the same meaning as “type”; in the entries below, only “type” is used. | 00165 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---|--|--|--|-----------------------|
| 2622. | type (pattern) evaluation | according to 3.2.69 of D 31:2023, | conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report or a certificate [OIML V 1:2022, 2.04] | | 03595 |
| 2623. | type (pattern) evaluation | according to G.3-2 of D 30:2020, | conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report and/or an evaluation certificate (VIML, 2.04) | Note 1: "Pattern" is used in legal metrology with the same meaning as "type". Note 2: for the purposes of the OIML-CS, "evaluation report" should be read as "OIML type evaluation report". | 03596 |
| 2624. | type (pattern) evaluation | according to 3.1.10 of R 60-1:2021, | conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report and/or an evaluation certificate [VIML, 2.04] | (For notes, refer to the VIML) | 03597 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|--|-------|
| 2625. | type (pattern) evaluation | according to G.3-2 of D 37:2022, | conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report and/or an evaluation certificate (VIML, 2.04) | <i>Note 1:</i> "Pattern" is used in legal metrology with the same meaning as "type". <i>Note 2:</i> for the purposes of the OIML-CS, "evaluation report" should be read as "OIML type evaluation report". | 03598 |
| 2626. | type (pattern) evaluation [VIML, 2.04] | according to 3.20 of R 142-1:2025, | conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report and/or an evaluation certificate | <i>Note 1:</i> 'Pattern' is used in legal metrology with the same meaning as 'type'; in the entries below, only 'type' is used. | 03733 |
| 2201-26 | type approval | according to 2.39 of R 135:2004, 2.39 | decision of legal relevance, based on the evaluation report, that the type of measuring instrument complies with the relevant statutory requirements and is suitable for use in the regulated area in such a way that it is expected to provide reliable measurement results over a defined period of time [VIML, 2.6] | | 01878 |
| 2202-26 | type approval | according to 2.17.2 of R 111-1:2004, 2.17.2 | process of making a decision by a responsible body, based on a review of a type evaluation test report for the type of weights or weight set and professional judgment, that the type is in conformity with the mandatory requirements of this Recommendation for legal applications | | 01467 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------|--|---|---------------------------------|-------|
| 2203-26 | type approval | according to 3.4.13 of R_49-1:202413, 3.4.13 | decision of legal relevance, based on the evaluation report, that the type of a measuring instrument complies with the relevant statutory requirements and is suitable for use in the regulated area in such a way that it is expected to provide reliable measurement results over a defined period of time [Source: OIML V1:2013 [2], 2.05.] | | 02433 |
| 2204-26 | type approval | according to 2.1.14 of R_059-1:2016, 2.1.14 | decision of legal relevance, based on the review of the type evaluation report, that the type of a measuring instrument complies with the relevant statutory requirements and results in the issuance of the type approval certificate [VIML 2.05] | <i>Note:</i> See also VIML A.25 | 02455 |
| 2205-26 | type approval | according to 2.1 of R_146-1:2016, 1.15 | {decision of legal relevance, based on the review of the type evaluation report, that the type of a measuring instrument complies with the relevant statutory requirements and results in the issuance of the type approval certificate [VIML 2.05]} | {Note See also A.25} | 02796 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------|---|---|---|-------|
| 2206-26 | type approval | according to 3-G.3-2 of D0_29:2008, 3-G.3-2 | decision of legal relevance, based on the evaluation report that the type of a measuring instrument complies with the relevant statutory requirements and is suitable for use in the regulated area in such a way that it is expected to provide reliable measurement results over a defined period of time | <i>Note:</i> For the purpose of this Document, the “type approval” is named “type evaluation”. Consequently “Type evaluation” in the sense of this Document includes examination, tests and decision. | 02155 |
| 2207-26 | type approval | according to 2.9 of D0_16:2011, 2.9 | decision of legal relevance, based on the evaluation report, that the type of measuring instrument complies with the respective statutory requirements and is suitable for use in the regulated area in such a way that it is expected to provide reliable measurement results over a defined period of time [VIML 2.6] | | 02262 |
| 2208-26 | type approval | according to 2.10 of D00_9:2004, 2.10 | decision of legal relevance, based on the evaluation report, that the type of measuring instrument complies with the respective statutory requirements and is suitable for use in the regulated area in such a way that it is expected to provide reliable measurement results over a defined period of time [VIML, 2.6] | | 00192 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|--|-------|
| 2209-26 | type evaluation | according to 2.38 of R_135:2004, 2.38 | systematic examination and testing of the performance of one or more samples of an identified type of measuring instrument against documented requirements, the results of which are contained in the evaluation report, in order to determine whether the type may be approved | <i>Note:</i> The term “pattern” is used in legal metrology with the same meaning as “type”; below only the term “type” is used. [VIML, 2.5] | 01877 |
| 2210-26 | type evaluation | according to 2.17.1 of R_111-1:2004, 2.17.1 | systematic examination and testing of the performance of a type of weights or weight sets against the documented requirements of this Recommendation, the results of which are contained in a test report | | 01466 |
| 2211-26 | type evaluation pattern evaluation | according to 3.4.12 of R_49-1:2013, 3.4.12 | systematic examination and testing of the performance of one or more specimens of an identified type or pattern of measuring instrument against documented requirements, the results of which are contained in the evaluation report, in order to determine whether the type may be approved | <i>Note:</i> “Pattern” is used in legal metrology with the same meaning as “type”. [Source: OIML V-1:2013 [2], 2.04, modified — The term synonyms “type evaluation” and “pattern evaluation” replace “type (pattern) evaluation”; “type or pattern” replaces “type (pattern)”.] | 02432 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------------------|---|--|-------|------------------|
| 2212. | type evaluation | D030:2008, 3-G.3-1 | systematic examination and testing of the performance of one or more specimens of an identified type of measuring instrument against documented requirements, the results of which are contained in the evaluation report, in order to determine whether the type may be approved [VIML 2.5] | | 02159 |
| 2213.26 | type evaluation | according to 3-G.3-2 of D029:2008, 3-G.3-2 | systematic examination and testing of the performance of one or more specimens of an identified type of measuring instruments against documented requirements, the results of which are contained in the evaluation report, in order to determine whether the type may be approved [VIML 2.5] | | 02154 |
| 2214. | type evaluation | D031:2008, 3.1.19 | systematic examination and testing of the performance of one or more specimens of an identified type (pattern) of measuring instruments against documented requirements, the results of which are contained in the evaluation report, in order to determine whether the type may be approved [OIML V1:2000, 2.5] | | 02186 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|--|--|-------|
| 2215-26 | type evaluation of measuring instruments | according to 3.1.7 of D00_1:2012, 3.1.7 | type (pattern) evaluation conformity assessment procedure on one or more specimens of an identified type (pattern) of measuring instruments which results in an evaluation report and/or an evaluation certificate [VIML 2.05] | <i>Note:</i> “Pattern” is used in legal metrology with the same meaning as “type”. In the entries below, only “type” is used. | 02207 |
| 2216-26 | type of a measuring instrument | according to 3.1.6 of D00_1:2012, 3.1.6 | type of a measuring instrument or module definitive model of a measuring instrument or module (including a family of instruments or modules) of which all the elements affecting its metrological properties are suitably defined [VIML 4.06] | | 02206 |
| 2217-26 | type specific parameter | according to T.2.7.8.2 of R0_51-1:2006, T.2.7.8.2 | legally relevant parameter with a value that depends on the type of instrument only. Type-specific parameters are part of the legally relevant software. They are fixed at type approval of the instrument. | <i>Note:</i> Examples of type-specific parameters are: parameters used for mass calculation, stability analysis or price calculation and rounding, software identification | 00593 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|---|--|---|----------------------------|
| 2218-26 | type-specific parameter | according to 3.2.70 of D0_31:202308, 3.1.53 | legally relevant parameter with a value that depends on the type of instrument, component and/or module subject of legal control only . Adapted form [OIML V 1:2022, 2.04] | <u>Note:</u> Type-specific parameters are part of the legally relevant software. Example: Considering a measuring system of liquids other than water, the range of kinematic viscosity of a turbine is a type-specific parameter fixed by the type approval of the turbine. All the manufactured turbines of the same type have the same range of viscosity. | 0359902220 |
| 2219-26 | type-specific parameter | according to 2.2.8.2 of R0_21:2007, 2.2.8.2 | legally relevant parameter with a value that depends on the type of taximeter only. They are fixed at type approval of the taximeter. Examples of type-specific parameters include software identification and parameters used for fare calculation and rounding | | 00352 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|--|---|--|-------|
| 2220.26 | type-specific parameter | according to T.2.7.7.3 of R_107-1:2007, T.2.7.7.3 | legally relevant parameter with a value that depends on the type of instrument only Type-specific parameters are part of the legally relevant software. They are fixed at type approval of the instrument. <u>Examples: Parameters used for weight value calculation, stability analysis or price calculation and rounding, software identification.</u> | Examples: Parameters used for weight value calculation, stability analysis or price calculation and rounding, software identification. | 01350 |
| 2221.26 | type-specific parameter | according to T.2.8.3 of R_76-1:2006, T.2.8.3 | legally relevant parameter with a value that depends on the type of instrument only. Type-specific parameters are part of the legally relevant software. They are fixed at type approval of the instrument <u>Examples: Parameters used for weight value calculation, stability analysis or price calculation and rounding, software identification.</u> | Examples: Parameters used for mass calculation, stability analysis or price calculation and rounding, software identification. | 00934 |
| 2222.26 | type-specific parameter | according to 0.2.8.3 of R_106-1:2011, 0.2.8.3 | legally relevant parameter with a value that depends on the type of instrument only a legally relevant parameter is fixed at type evaluation of the instrument <u>examples of type-specific parameters are: parameters used for mass calculation, stability analysis or price calculation and rounding, software identification</u> | examples of type-specific parameters are: parameters used for mass calculation, stability analysis or price calculation and rounding, software identification | 02555 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---|--|--|---|-----------------------|
| 2647. | type-specific parameter | according to 3.3.6.3 of R 61-1:2017, | legally relevant parameter with a value that depends on the type of instrument only (VIML, 4.11) | Note: Type-specific parameters are part of the legally relevant software. Example of type-specific parameters are: parameters used for weight value calculation, stability analysis or price calculation and rounding, software identification | 03685 |
| 2648. | type-specific parameter | according to 2.2.9.3 of R 150-1:2020, | legally relevant parameter with a value that depends on the type of instrument only | Note: Type-specific parameters are part of the legally relevant software. [VIML:2013, 4.11] Example of type-specific parameters are: parameters used for weight (load) value calculation, stability analysis or price calculation and rounding, software identification | 03600 |
| 2223-26 | ullage | according to 3.20 of R 85-1:2008, 3.20 | distance between the liquid level and the upper reference point, measured along the vertical measurement axis | Note: The term “outage” is synonymous. | 02318 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|--|---|--------------------------------|----------------------------|
| 2224-26 | ullage | according to 3.9 of R0_71:2008, 3.9 | distance between the free surface of the liquid and the upper reference point, measured along the vertical measurement axis | | 02233 |
| 2225-26 | ullage headspace) (or | according to 2.8 of R_138:2007, 2.8 | empty volume remaining in a container after it is filled | | 01985 |
| 2226-26 | ullage height | according to T.7 of R0_95:1990, T.7 | the distance between the free surface of the liquid and the upper reference point, measured along the vertical measurement axis | | 01143 |
| 2227-26 | ullage height (C) | according to 2.18 of R0_80-1:2009, 2.18 | distance between the free surface of the liquid and the reference point top, measured along the vertical measurement axis (see figure 1) ¹⁶ | (see figure 1) | 02257 |
| 2654. | ullage height (C) | according to 2 of R 80-2:2017, | distance between the free surface of the liquid and the reference point top, measured along the vertical measurement axis (see figure 1) | | 03604 |
| 2228-26 | unattended post-payment (or delayed payment) | according to 3.3.7 of R_139-1:20214, 3.3.7 | type of payment in unattended service mode in which payment for the delivered quantity is required after the delivery, but in which the transaction is not settled when the customer leaves the site, following an implicit agreement with the supplier | | 0360502744 |

¹⁶ see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|---|--|-----------------------|
| 2229-26 | unattended service mode | according to 3.3.4 of R_139-1:2024 , 3.3.4 | operating mode of a self-service arrangement in which the self-service arrangement controls the authorization for the delivery, based on an action of the customer | <i>Note:</i> In unattended service mode, the end of the measurement operation is the end of the registration (printing and/or memorizing) of information concerning the measurement operation. | 0360602741 |
| 2230-26 | unattended service mode | according to T.s.4.2 of R_117-1:2007 , T.s.4.2 | operating mode of a self-service arrangement in which the self-service device controls the authorization for the delivery, based on an action of the customer | | 0360701599 |
| 2234-26 | uncertainty in the determination of an error | according to 3.22 of R_81:1998 , 3.22 | an estimate characterizing the range of values within which the true value of an error lies, including components due to the standard and its use, and components due to the verified or calibrated instrument itself | <i>Note:</i> the components due to a meter verified or calibrated are notably linked to the resolution of its indicating device and to the periodic variation. | 01031 |
| 2659. | uncertainty of a measurement | according to 3.1.24 of R_126-1:2021 , | non-negative parameter characterizing the dispersion of the quantity values being attributed to a measurand, based on the information used [OIML V 2-200, 2.26] | <i>Note:</i> For more information, see OIML G 1-100 <i>Evaluation of measurement data – Guide to the expression of uncertainty in measurement</i> . | 03608 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|---|------------------------------------|-----------------------|
| 2232.26 | uncertainty of measurement | according to T.2.2 of R_140:2007, T.2.2 | parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the measurand [adapted from VIM:2007, 2.26] | | 02068 |
| 2233.26 | uncertainty of measurements | according to T.4.11 of R_136-1:2004, T.4.11 | percentage value associated with the total area of a parcel of leather (A_{total}), that characterizes the best estimate of the value of the total area of the parcel | | 01914 |
| 2234.26 | uncertainty of the pressure measurement | according to 2.4.3 of R_110:1994, 2.4.3 | estimate characterizing the range of values within which the true value of an error lies, including components due to the standard and its use, and components due to the verified or calibrated instrument itself (see also Annex B) | (see also Annex B) | 01604 |
| 2235.26 | uncertainty of the determination of an error | according to T.u.1 of R_117-1:200719, T.u.1 | a parameter associated with the result of a pressure measurement, that characterizes the dispersion of the values that could reasonably be attributed to the measured pressure estimate characterizing the range of values within which the true value of an error lies, including components due to the standard and its use, and components due to the verified or calibrated instrument itself (see also Annex B) | | 0360901431 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------------------|---|--|--|----------------------------|
| 2236.26 | uncoupled wagon | according to 0.1.8 of R_106-1:2011, 0.1.8 | single wagon not joined with other wagons | | 02529 |
| 2237.26 | uncoupled wagon weighing | according to 0.3.1.3.1 of R_106-1:2011, 0.3.1.3.1 | determining the mass of wagons that travel independently across the load receptor(s) (this is usually achieved by means of an incline of the approach to the load receptor) | | 02570 |
| 2238.26 | uni-directional (energy) flow | according to 2.2.36 of R_46-1:2012, 2.2.36 | capability of the meter to measure energy flow regardless of the direction of energy flow | | 02335 |
| 2239.26 | universal computer device | according to 3.2.71 of D_31:202308, 3.1.54 | device computer —that is not constructed for a specific purpose, but that can be adapted to the metrological a legally relevant task by software. In general this software is founded on an operating system that permits loading and execution of software for specific purposes | | 0361002224 |
| 2668. | universal device [OIML D 31, 3.1.59] | according to 3.31 of R 142-1:2025, | device that is not constructed for a specific purpose, but that can be adapted to a metrological task by software. | Note: This kind of device might have undeclared interfaces to operating system | 03734 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|---|-------|
| 2240-26 | universal computer | according to 2.2.7 of R_59-1:2016, 2.2.7 | computer that is not constructed for a specific purpose but that can be adapted to the metrological task by software. In general this software is founded on an operating system that permits loading and execution of software for specific purposes [OIML D31, 3.1.54] | | 02464 |
| 2241-26 | universal computer | according to 2.2.17 of R_146-1:2016, 2.2.17 | computer that is not constructed for a specific purpose but that can be adapted to the metrological task by software [OIML D 31:2008, 3.1.54] | <i>Note:</i> In general this software is founded on an operating system that permits loading and execution of software for specific purposes. | 02815 |
| 2242-26 | upper limit of measuring range (P_{\max}) | according to 2.1.1.1 of R_110:1994, 2.1.1.1 | the maximum pressure to be measured | | 01418 |
| 2243-26 | upper reference point | according to T.6 of R_95:1990, T.6 | the point on the vertical measurement axis, with reference to which the ullage height is measured | | 01142 |
| 2244-26 | upper reference point | according to 3.17 of R_85-1:2008, 3.17 | point clearly marked on the principal gauge hatch located along the vertical axis ascending from the dipping datum point to indicate the reference position to which ullage is measured | | 02315 |
| 2245-26 | upper reference point | according to 3.7 of R_71:2008, 3.7 | point located on the vertical measurement axis, with reference to which the ullage is measured | | 02231 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|---|-----------------------|
| 2246-26 | user adjustment | according to 2.7.1 of R_144-1:2013, 1.7.1 | adjustment employing only the means at the disposal of the user | | 02759 |
| 2247-26 | user adjustment | according to 2.7.1 of R_143-1:2009, 2.7.1 | adjustment employing only the means at the disposal of the user | | 02130 |
| 2248-26 | user adjustment (of a measuring instrument) | according to 3.6 of R_99-1:2008, 3.6 | adjustment employing only the means at the disposal of the user | | 02338 |
| 2249-26 | user interface | according to 3.2.72 of D_31:202308, 3.1.55 | interface that enables information to be interchanged between the user/operator a human and the measuring instrument or its (hardware) components or (software) modules—components, e.g. switches, keyboard, mouse, display, monitor, printer, touch screen, software window on a screen including the software that generates it | <i>Note:</i> Typical examples of user interfaces are switches, keyboard, mouse, display, monitor, printer, touchscreen, software window on a screen including the software that generates it. | 0361102222 |
| 2250-26 | user interface | according to 0.2.7.2 of R_106-1:2011, 0.2.7.2 | interface that enables information to be passed between a human user and the instrument or its hardware or software components, e.g. switch, keyboard, mouse, display, monitor, printer, touchscreen | | 02551 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--------------------------------|---|---|---|-----------------------|
| 2251-26 | user interface | according to 2.2.6 of R_21:2007, 2.2.6 | interface that enables information to be interchanged between a human user and the measuring instrument or its hardware or software components, e.g. switches, keyboard, mouse, display, monitor, printer, touch-screen, or a window on a screen including the software that generates it | | 00349 |
| 2252-26 | user interface | according to T.2.10 of R_107-1:2007, T.2.10 | interface that enables information to be passed between a user and the instrument or its hardware or software components, as, e.g. switch, keyboard, mouse, display, monitor, printer, touch- screen | | 01355 |
| 2682 | user interface | according to 3.3.9 of R 61-1:2017, | interface that enables information to be interchanged between the operator and the measuring instrument or its hardware or software components, e.g. switches, keyboard, mouse, display, monitor, printer, touch-screen, software window on a screen including the software that generates it | Note: Often referred to as "HMI" (human machine interface). | 03686 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--------------------------------|--|--|--|-----------------------|
| 2683. | user interface | according to 2.2.11.1 of R 150-1:2020, | interface that enables information to be interchanged between the operator and the measuring instrument or its hardware or software components, e.g. switches, keyboard, mouse, display, monitor, printer, touch-screen, or a window on a screen including the software that generates it [VIML:2013, 6.08] | | 03612 |
| 2684. | user interface | according to 3.3.13 of R 126-1:2021, | interface that enables information to be interchanged between the operator and the measuring instrument or its hardware components or software modules (OIML D 31, 3.1.60) | Note: Examples are switches, keyboard, mouse, display, monitor, printer, touch-screen, software window on a screen including the software that generates it. | 03613 |
| 2685. | user interface | according to 3.1.6 of R 91-1:2025, | interface that enables information to be interchanged between the user/operator and the measuring instrument or its (hardware) components or (software) modules | Note: Typical examples of user interfaces are switches, keyboard, mouse, display, monitor, printer, touchscreen, etc. | 03793 |
| 2253-26 | vacuum | according to T.2 of R 101:1991, T.2 | a pressure less than ambient pressure, the latter being considered as the datum point | | 01204 |
| 2254-26 | vacuum | according to 2.2 of R 109:1993, 2.2 | a pressure less than ambient pressure | | 01412 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------|--|---|--|------------------|
| 2255. | validation | D031:2008, 3.1.56 | confirmation by examination and provision of objective evidence (i.e. information that can be proved true, based on facts obtained from observations, measurement, test, etc.) that the particular requirements for the specific intended use are fulfilled. In the present case the related requirements are those of this Document [derived from ISO/IEC 14598 and IEC 61508-4:1998] | | 02223 |
| 2256.26 | validation | according to 2.14 of D0_27:2001, 2.14 | confirmation, through the provision of objective evidence, that the requirements for a specific intended use or application have been fulfilled [ISO 9000:2000, 3.8.5] | <i>Note 1: 1.</i> The term “validated” is used to designate the corresponding status. <i>Note 2: 2.</i> The use conditions for validation can be real or simulated. | 00176 |
| 2257.26 | validity of pattern approval | according to 1.1.6 of D0_19:1988, 1.1.6 | a period of time during which the pattern approval is recognized by the approving legal metrology agency as being in effect | | 00130 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|---|---|---|----------------------------|
| 2258-26 | variable pressure | according to T.5 of R_101:1991, T.5 | a pressure which varies in any way whatever, periodic or otherwise, at speeds between: 1-% and 10-% of the upper limit of the measuring range per second, for pressure gauges and vacuum gauges, 1-% and 10-% of the sum of the upper limits of the measuring ranges per second, for pressure-vacuum gauges | | 01207 |
| 2259-26 | variable speed or multiple speed belt weigher beltweigher | according to 2.1.5.2 of R0_50-1:20141997, T.2.2.2 | a belt weigher that is installed with a conveyor belt designed to operate at more than one speed belt weigher that is installed with a conveyor belt designed to operate at a variable speed (within a range) or at more than one set speed. | | 0361600487 |
| 2260-26 | vehicle | according to T.7.1 of R_134:20036, T.7.1 | loaded or unloaded vehicle that is recognized by the instrument as a road vehicle to be weighed | | 0361701838 |
| 2261-26 | vehicle incorporated instrument | according to T.1.3.5 of R0_51-1:2006, T.1.3.5 | instrument where components of the vehicle which are also components of the weighing instrument, i.e. parts of the vehicle (levers, joints and/or force transmission) are used for the instrument For example, a front-end loader (front-end loading vehicle) that determines the quantity of loose material held in the bucket (load receptor). | For example, a front-end loader (front-end loading vehicle) that determines the quantity of loose material held in the bucket (load receptor). | 00566 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|------------------------------------|--|--|---|--------------|
| 2262-26 | vehicle mounted instrument | <u>according to T.1.3.4 of R 91-1:2006, T.1.3.4</u> | complete instrument that is firmly mounted on a vehicle, and that is designed for that special purpose <u>For example, a garbage weigher (waste collecting vehicle) that determines the quantity of loose material emptied from a container (supported by the load receptor) into the body of the vehicle.</u> | <u>For example, a garbage weigher (waste collecting vehicle) that determines the quantity of loose material emptied from a container (supported by the load receptor) into the body of the vehicle.</u> | 00565 |
| <u>2695.</u> | <u>vehicle shape-related error</u> | <u>according to 3.4.13 of R 91-1:2025,</u> | <u>measurement error due to changing target area on the measured vehicle during the measurement¹⁷</u> | <u>Note: The change can be manifold, e.g. a single step, multiple steps, or a gradual sliding.</u> | <u>03794</u> |
| 2263-26 | verification | <u>according to 3.2.73 of D 31:202308, 3.1.57</u> | procedure (other than type approval) that includes the examination and marking and/or issuing of a verification certificate that ascertains and confirms that the measuring instrument complies with the statutory requirements <u>provision of objective evidence that a given item fulfils specified requirements</u> <u>[adapted from OIML V 2-200:2012, 2.44]</u> | 1. Different definition from other Standards e.g. ISO/IEC 14598, clause 4.23 or IEC 61508-4, clause 3.8.1. 2. [OIML V 1: 2000, 2.13] | 02224 |

¹⁷ see Annex A of OIML G 18

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|------------------------------|---|--|--|-----------------------|
| 2697. | verification | according to 3.1.17 of D 34:2019, | provision of objective evidence that a given item fulfils specified requirements (from VIM, 2.44) | | 03618 |
| 2698. | verification | according to 3.10 of D 5:2022, | provision of objective evidence that a given item fulfils specified requirements [VIM, 2.44] Example 1: Confirmation that a given reference material as claimed is homogeneous for the quantity value and measurement procedure concerned, down to a measurement portion having a mass of 10 mg. Example 2: Confirmation that performance properties or legal requirements of measuring system are achieved. Example 3: Confirmation that a target measurement uncertainty can be met. | For notes see [VIM, 2.44]. | 03619 |
| 2264.26 | verification | according to 1.1.5 of R_147:2016, 1.1.5 | provision of objective evidence that a given item fulfils a specified requirement [OIML V2-200:2012; 2.44] [2] confirmation that performance properties or legal requirements of a measuring system are achieved | | 02821 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--------------------------|---|---|---|-------|
| 2265-27 | verification | according to 2.18 of R_111-1:2004, 2.18 | all the operations carried out by an organ of the national service of legal metrology (or other legally authorized organization) having the object of ascertaining and confirming that the weight entirely satisfies the requirements of the regulations for verification. Verification includes both examination and stamping. (Adapted from VIML 2.4 and 2.13) | | 01468 |
| 2266-27 | verification by sampling | according to 2.13 of D_16:2011, 2.13 | verification of a homogenous batch of measuring instruments based on the results of examination of a statistically appropriate number of specimens selected at random from an identified lot [VIML 2.14] | | 02266 |
| 2267-27 | verification certificate | according to 2.20 of D_27:2001, 2.20 | document certifying that the verification of a measuring instrument was carried out with a satisfactory result [VIML 3.3] | | 00182 |
| 2268-27 | verification mark | according to 2.19 of D_27:2001, 2.19 | mark applied to a measuring instrument certifying that the verification of the measuring instrument was carried out with satisfactory results [VIML 3.7] | <i>Note:</i> The verification mark may also identify the body responsible for verification and/or indicate the year or date of verification or its expiry date. | 00181 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|--|--|-------|-----------------------|
| 2704. | verification mark | according to 3.1.19 of D 34:2019, | mark applied to a measuring instrument in a conspicuous manner certifying that the verification of the measuring instrument was carried out and compliance with statutory requirements was confirmed (form VIML, 3.04) | | 03620 |
| 2269-27 | verification of a measuring instrument | according to 2.40 of R_135:2004, 2.40 | procedure other than type approval which includes the examination and marking of a measuring instrument and/or issuing of a verification certificate, that establishes and confirms that the measuring instrument complies with the statutory requirements [VIML, 2.13] | | 01879 |
| 2270-27 | verification of a measuring instrument | according to 3.1.8 of D001:2012, 3.1.8 | verification of a measuring instrument _conformity assessment procedure (other than type evaluation) which results in the affixing of a verification mark and/or issuing of a verification certificate [VIML 2.10] | | 02208 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--|---|--|---|-------|
| 2271.27 | verification of a measuring instrument | according to 2.1 of R059-1:2016, 2.1.16 | conformity assessment procedure (other than type evaluation) which results in the affixing of a verification mark and/or issuing of a verification certificate [VIML 2.09] | <i>Note:</i> See also OIML V2-200:2010, 2.44. | 02457 |
| 2272.27 | verification of a measuring instrument | according to 1.17 of R146-1:2016, 1.17 | {conformity assessment procedure (other than type evaluation) which results in the affixing of a verification mark and/or issuing of a verification certificate [VIML 2.09]} | { <i>Note</i> See also OIML V2-200:2012, 2.44.} | 02798 |
| 2273.27 | verification of a measuring instrument | according to 2.4 of D027:2001, 2.4 | procedure (other than type approval) which includes the examination and marking and/or issuing of a verification certificate, that ascertains and confirms that the measuring instrument complies with the statutory requirements [VIML 2.13] | | 00166 |
| 2274.27 | verification of a measuring instrument | according to 2.10 of D016:2011, 2.10 | procedure (other than type approval) which includes the examination and marking and/or issuing of a verification certificate, that ascertains and confirms that the measuring instrument complies with the statutory requirements [VIML 2.13] | | 02263 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|--|--|--|--------------|
| 2275-27 | verification of a measuring instrument | according to 2.11 of D009:2004, 2.11 | procedure (other than type approval) which includes the examination and marking and/or issuing of a verification certificate, that ascertains and confirms that the measuring instrument complies with the statutory requirements [VIML, 2.13] | | 00193 |
| 2712. | <u>verification of a measuring instrument</u> | <u>according to 3.2.74 of D 31:2023,</u> | <u>conformity assessment procedure (other than type evaluation) which results in the affixing of a verification mark and/or issuing of a verification certificate</u> <u>adapted form [OIML V 1:2022, 2.09]</u> | <i>Note:</i> See also OIML V 2-200:2012, 2.44. | <u>03621</u> |
| 2713. | <u>verification of a measuring instrument</u> | <u>according to 3.1.18 of D 34:2019,</u> | <u>conformity assessment procedure (other than type evaluation) which results in the affixing of a verification mark and/or issuing of a verification certificate</u> <u>[form VIML, 2.09]</u> | | <u>03622</u> |
| 2714. | <u>verification of a measuring instrument</u> | <u>according to 3.1.4 of R 126-1:2021,</u> | <u>conformity assessment procedure (other than type evaluation) which results in the affixing of a verification mark and/or issuing of a verification certificate</u> <u>(OIML V 1, 2.09)</u> | <i>Note:</i> See OIML V 2-200:2012, 2.44 for more information. | <u>03623</u> |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---|--|--|---|-----------------------|
| 2715. | verification of a measuring instrument | according to 3.27 of D 5:2022, | conformity assessment procedure (other than type evaluation) which results in the affixing of a verification mark and/or issuing of a verification certificate [VIML, 2.09] | Note: See also OIML V 2-200:2012, 2.44. | 03624 |
| 2716. | verification of a measuring instrument [VIML, 2.09] | according to 3.21 of R 142-1:2025, | conformity assessment procedure (other than type evaluation) which results in the affixing of a verification mark and/or issuing of a verification certificate | Note: See also OIML V 2-200:2012, 2.44. | 03735 |
| 2276-27 | verification scale interval | according to 3.2.13 of R 49-1:2024 13 , 3.2.13 | lowest value scale division of the <i>first element of an indicating device</i> (3.2.12) | | 02405 |
| 2277-27 | verification scale interval, <i>e</i> | according to T.3.3.2 of R 51-1:2006, T.3.3.2 | value, in units of mass, used for the classification and verification of an instrument expressed | | 00637 |
| 2278-27 | verification scale interval, <i>e</i> | according to T.3.2.3 of R 76-1:2006, T.3.2.3 | value, expressed in units of mass, used for the classification and verification of an instrument | | 00949 |
| 2720. | verification software | according to 3.2.75 of D 31:2023 | software on remote unit used for the purpose of verification of measuring instrument | | 03701 |
| 2279-27 | verified measuring instrument | according to 1.2.3 of D 20:1988, 1.2.3 | a measuring instrument which, in consequence of its verification, has been given legal character | | 00137 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|---------------------------|---|--|--|-------|
| 2280.2 | vertex power | according to 3.7 of R_93:1999, 3.7 | there are two vertex powers of a lens, described in 3.7.1 and 3.7.2 | <p><i>Note:</i> The unit for expressing vertex power is the reciprocal metre (m^{-1}). The name for this unit is the “dioptré”, for which the symbol is D.</p> <p>Conventionally the back vertex power, in dioptrés, is specified as the “power” of a spectacle lens, although the front vertex power is required for certain purposes (for example in the measurement of some multifocal lenses).</p> | 01130 |
| 2281.2 | vertical cylindrical tank | according to T.10 of R_125:1998, T.10 | a tank whose horizontal cross-section is a circle and whose walls are vertical | | 01626 |
| 2282.2 | vertical measurement axis | according to T.4 of R_95:1990, T.4 | the vertical line through the position that will be used for manual or automatic measurement; it passes through the guiding device, if provided | | 01140 |
| 2283.2 | vertical measurement axis | according to 3.4 of R_71:2008, 3.4 | vertical line which passes through the middle of the still well (guide pipe), if provided, belonging to the gauge hatch concerned, and corresponding to the position intended for automatic or manual level gauges | | 02228 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|--|--|--|---|-------|
| 2284.27 | voltage (U) | according to 2.2.6 of R0_46-1:2012, 2.2.6 | value of the electrical voltage supplied to the meter | <i>Note:</i> The term “voltage” in this Recommendation indicates r.m.s. (root mean square) values unless otherwise specified. | 02305 |
| 2285.27 | voltage circuit | according to 2.1.11 of R0_46-1:2012, 2.1.11 | internal connections of the meter, part of the measuring element and, in the case of static meters, part of the power supply, supplied with the voltage of the circuit to which the meter is connected [IEC 62052-11:2003, 3.2.7] | | 02290 |
| 2286.27 | volume (vol) | according to 2.13 of R_129:2000, 2.13 | for this Recommendation, the volume of the smallest rectangular box which fully encloses the object, that is the product of the indicated values of length (L), width (W) and height (H) | | 01712 |
| 2287.27 | volume conversion device | according to T.1.12.1 of R_140:2007, T.1.12.1 | device which automatically converts the volume measured at metering conditions into a volume at base conditions or into a mass by taking into account the gas characteristics (i.e. pressure, temperature, composition, density) measured using associated measuring instruments or stored in a memory | <i>Note:</i> The quotient of the volume at base conditions or of the mass to the volume at metering conditions is referred to as the “conversion factor”. | 02054 |
| 2288.27 | volume) magnetic susceptibility (χ) | according to 2.9.6 of R_111-1:2004, 2.9.6 | measure of the ability of a medium to modify a magnetic field. It is related to the magnetic permeability (μ) by the relation: $\mu/\mu_0 = 1 + \chi$. | | 01456 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|----------------|---|---|-------|----------------------------|
| | | | The quantity μ_r/μ_0 is sometimes referred to as the relative permeability, μ_r | | |
| 2289-27 | wagon | according to 0.1.6 of R_106-1:2011, 0.1.6 | wagon that is recognized by the automatic rail-weighbridge as a railway vehicle to be weighed | | 02527 |
| 2290-27 | wagon mass, WM | according to 0.3.1.5 of R_106-1:2011, 0.3.1.5 | mass of the single uncoupled wagon combination | | 02574 |
| 2291-27 | warm-up time | according to 0.3.5 of R_106-1:2011, 0.3.5 | time between the moment that power is applied to an instrument and the moment at which the instrument is capable of complying with the requirements | | 02593 |
| 2292-27 | warm-up time | according to T.3.4.2 of R0_51-1:2006, T.3.4.2 | time between the moment at which power is applied to the instrument and the moment at which the instrument is capable of complying with the requirements | | 00642 |
| 2293-27 | warm-up time | according to 3.5.17 of R0_60-1:202100, 2.3.16 | time between the moment power is applied to a load cell and the moment at which the load cell is capable of complying with the requirements | | 0362500727 |
| 2294-27 | warm-up time | according to 3.13 of R0_99-1:2008, 3.13 | elapsed time between the moment power is applied to an instrument and the moment at which the instrument is capable of complying with the metrological requirements | | 02349 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--------------|--|---|-------|----------------------------|
| 2295.27 | warm-up time | according to 3.4.14 of R_61-1:2017 04 , T.3.13 | time between the moment at which power is applied to an instrument and the moment at which the instrument is capable of complying with the requirements. time between the moment power is applied to an instrument and the moment at which the instrument is capable of complying with the requirements | | 0362600795 |
| 2296.27 | warm-up time | according to T.3.5 of R_134:2003 6 , T.3.5 | time between the moment that power is applied to an instrument and the moment at which the instrument is capable of complying with the requirements | | 0362701818 |
| 2297.27 | warm-up time | according to T.4.5 of R_76-1:2006 , T.4.5 | time between the moment power is applied to an instrument and the moment at which the instrument is capable of complying with the requirements of this Recommendation | | 00961 |
| 2298.27 | warm-up time | according to T.3.7 of R_107-1:2007 , T.3.7 | time between the moment that power is applied to an instrument and the moment at which the instrument is capable of complying with the requirements of this Recommendation | | 01369 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|--------------|---|--|---|----------------------------|
| 2299.27 | warm-up time | according to 2.3.10 of R0_50-1:2014 1997, T.4.9 | the time between the moment that power is applied to a belt weigher and the moment that the belt weigher is capable of complying with the requirements time between the moment that power is applied to an instrument and the moment that the instrument is capable of complying with the requirements | | 0362800524 |
| 2300.27 | warm-up time | according to 2.11 of R_144-1:2013 , 1.11 | period of time that the gas analytical system requires from applying power to the instrument to attaining the operating mode at which the instrument will operate within the maximum permissible errors | <i>Note:</i> For a gas analyzer this is the time between the instant at which power is applied to it and the instant at which the measurement result of the volume fraction, a CGM being supplied to the input, is within the permissible limits. | 02766 |
| 2301.27 | warm-up time | according to 2.11 of R_143:2009 , 2.11 | time between the instant at which power is applied to a gas analytical system and the instant at which the system is capable of complying with the metrological requirements | <i>Note:</i> For a gas analyzer this is the time between the instant at which power is applied to it and the instant at which the measurement result of the volume fraction, a CGM being supplied to the input, is within the permissible limits. | 02137 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------|---|---|--|------------------|
| 2744. | warm-up time | according to 2.3.8 of R 150:2020, | time between the moment that power is applied to an instrument and the moment that the instrument is capable of complying with the requirements | | 03629 |
| 2302-27 | warm-up time, t_w | according to 2.2.5 of R 147:2016, 2.2.5 | time elapsed from the moment of turning on the BBR until it reaches the specified working stationary temperature mode when it is allowed to determine the metrological characteristics of the BBR | | 02826 |
| 2303-27 | water meter | according to 3.1.1 of R 49-1:202413, 3.1.1 | instrument intended to measure continuously, memorize, and display the volume of water passing through the <i>measurement transducer</i> (<u>3.1.2</u>) at <i>metering conditions</i> (<u>3.2.11</u>) | <p><i>Note 1:</i> A water meter includes at least a measurement transducer, a calculator (including adjustment or correction devices, if present) and an indicating device. These three devices can be in different housings.</p> <p><i>Note 2:</i> A water meter may be a combination meter (see 3.1.16).</p> <p><i>Note 3:</i> In this Recommendation, a water meter is also referred to as a “meter”.</p> | 02340 |
| 2304-27 | water separator | according to 3.2 of R 099-1:2008, 3.2 | device that removes water from the exhaust gas sample to a level that prevents condensation within the gas handling system downstream from its location | | 02334 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|--|---|----------------------------|
| 2305.27 | weigh labeller | according to T.1.3.2 of R_51-1:2006, T.1.3.2 | catchweigher that labels individual pre-assembled discrete loads (e.g. prepackages) with the weight value | | 00563 |
| 2306.27 | weigh length (L) [not applicable to belt weighers inclusive of conveyor] | according to 2.3.2 of R_50-1:20141997, T.4.2 | the distance between the two imaginary lines at the half distance between the axes of the end weighing rollers and the axes of the nearest carrying rollers. When there is only one weighing roller, the weigh length is equal to half the distance between the axes of the nearest carrying rollers on either side of the weighing roller | <i>Note:</i> The weigh length is not applicable to belt weighers inclusive of conveyor. | 0363000516 |
| 2307.27 | weigh table | according to 2.2.1.1 of R_50-1:20141997, T.2.1.1 | a load receptor that includes only part of a conveyor | | 0363100484 |
| 2308.27 | weigh zone | according to 0.2.2 of R_106-1:2011, 0.2.2 | zone of the rails on which all axles of a wagon must be located when the wagon is weighed | | 02538 |
| 2309.27 | weigh zone | according to T.2.2 R_134:20036, T.1.6 | zone comprising the load receptor (T.2.1) with an apron (T.1.6.1) on both ends zone of the road comprising the load receptor with aprons in advance of and beyond each end of the load receptor in the direction of travel of the vehicle being weighed | | 0363201789 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|-------------------|---|---|--|----------------------------|
| 2310.27 | weighing | according to 3.1.4 of R0_61-1:201704, T.1.5 | process of determining the mass of a load from the effect of gravity on that load process of determining the mass of a load using the effect of gravity on that load | | 0363300754 |
| 2311.27 | weighing results | according to T.3.2 of R0_51-1:2006, T.3.2 | (-) | <i>Note:</i> The following definitions apply only for instruments that weigh pre-assembled discrete loads (see T.1.3) and when the indication has been set to zero before the load has been applied to the instrument. | 00627 |
| 2312.27 | weighing capacity | according to T.3.1 of R0_51-1:2006, T.3.1 | (-) | | 00622 |
| 2313.27 | weighing cycle | according to T.3.2 of R_107-1:2007, T.3.2 | sequence of weighing operations that includes the following: one delivery of a load to the load receptor; a single weighing operation; and the discharge to bulk of a single discrete load | | 01360 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---|---|---|-------|-----------------------|
| 2314.27 | weighing cycle | according to 3.4.5 of R061-1:201704, T.3.5 | combination of operations including: delivery of material to the load receptor; a weighing operation; and the discharge of a single discrete load, after the completion of which the weighing instrument returns to its initial state <u>the combination of operations including: a) delivery of material to the load receptor(s), b) a weighing operation, and c) the discharge of a single discrete load after the completion of which the AGFI is in its initial state</u> | | 0363400787 |
| 2315. | weighing — cycle [applicable only to belt weighers whose method of operation is by addition] | R050-1:1997, T.4.3 | the group of operations relating to each addition of information on the load at the end of which the totalization device returns to its initial position or state for the first time | | 00517 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|---|--|--|-------|
| 2316.27 | weighing instrument | according to 0.1.1 of R_106-1:2011, 0.1.1 | measuring instrument used to determine the mass of a body by using the action of gravity on the body | <i>Note:—</i> In this Recommendation “mass” (or “weight value”) is preferably used in the sense of “conventional mass” or “conventional value of the result of weighing in air” according to OIML R 111 [5] and OIML D 28 [6], whereas “weight” is preferably used for an embodiment (= material measure) of mass that is regulated in regard to its physical and metrological characteristics. According to its method of operation, a weighing instrument is classified as an automatic or non-automatic instrument. | 02522 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---------------------|---|--|---|----------------------------|
| 2317.27 | weighing instrument | according to 2.1.1 of R0_50-1:20141997, T.1.1 | <p>a measuring instrument that serves to determine the mass of a load by using the action of gravity. According to its method of operation, a weighing instrument is classified as automatic or non-automatic.</p> <p>measuring instrument used to determine the mass of a body by using the action of gravity on this body</p> | <p><i>Note:</i> In this Recommendation “mass” (or “weight value”) is preferably used in the sense of “conventional mass” or “conventional value of the result of weighing in air” according to OIML R 111 [5] and OIML D 28 [6], whereas “weight” is preferably used for an embodiment (or material measure) of mass that is regulated in regard to its physical and metrological characteristics. The instrument may also be used to determine other quantities, magnitudes, parameters or characteristics related to the determined mass.</p> | 0363500479 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|--|---|--|-------|
| 2318:27 | weighing instrument | according to T.1.1 of R0_76-1:2006, T.1.1 | measuring instrument that serves to determine the mass of a body by using the action of gravity on this body. The instrument may also be used to determine other quantities, magnitudes, parameters or characteristics related to the determined mass. According to its method of operation, a weighing instrument is classified as an automatic weighing instrument or a non- automatic weighing instrument | <i>Note:</i> in this Recommendation “mass” (or “weight value”) is preferably used in the sense of “conventional mass” or “conventional value of the result of weighing in air” according to R_111 and D_28, whereas “weight” is preferably used for an embodiment (i.e. material measure) of mass that is regulated in regard to its physical and metrological characteristics | 00874 |
| 2319:27 | weighing instrument | according to T.1.1 of R_134:2003, T.1.1 | measuring instrument that serves to determine the mass of a load by using the action of gravity (see “dynamic vehicle tyre force”). | | 01784 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------|---|--|--|-------|
| 2320.27 | weighing instrument | according to T.1.1 of R_51-1:2006, T.1.1 | measuring instrument that serves to determine the mass of an amount of material by using the action of gravity on this material. The instrument may also be used to determine other quantities, magnitudes, parameters or characteristics related to mass. According to its method of operation, a weighing instrument is classified as automatic or non-automatic | <i>Note:</i> In this Recommendation “mass” (or “weight value”) is preferably used in the sense of “conventional mass” or “conventional value of the result of weighing in air” according to OIML R_111 and OIML D_28, whereas “weight” is preferably used for an embodiment (= material measure) of mass that is regulated in regard to its physical and metrological characteristics. | 00539 |
| 2321.27 | weighing instrument | according to T.1.1 of R_107-1:2007, T.1.1 | measuring instrument used to determine the mass of a body by using the action of gravity on this body. The instrument may also be used to determine other quantities, magnitudes, parameters or characteristics related to the determined mass. According to its method of operation, a weighing instrument is classified as an automatic weighing instrument or a non-automatic weighing instrument. | | 01314 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---------------------------------|---|--|---|----------------------------|
| 2322-27 | weighing instrument | according to 3.1.5 of R 61-1:2017 , T.1.6 | measuring instrument that serves to determine the mass of a load by using the action of gravity on that load. The weighing instrument may also be used to determine other mass-related quantities, magnitudes, parameters or characteristics. According to its method of operation, a weighing instrument is classified as automatic or non-automatic measuring instrument used to determine the mass of a body by using the action of gravity on the body | <i>Note:</i> According to its method of operation, a weighing instrument is classified as an automatic (3.2.1) or non-automatic instrument. | 0363600755 |
| 2765 | weighing module | according to 3.3.11.7 of R 61-1:2017 , | part of the weighing instrument that comprises all mechanical and electronic devices (i.e. load receptor, load-transmitting device, load cell, and analog data processing device or digital data processing device) but not having the means to display the weighing result. It may optionally have devices for further processing (digital) data and operating the instrument | | 03687 |
| 2323-27 | weighing module | according to 0.2.6.5 of R 106-1:2011 , 0.2.6.5 | part of the weighing instrument that comprises all mechanical and electronic devices (i.e. load receptor, load cell, and the analogue data processing device) but that does not have the means to display the weighing results it may optionally have devices for further processing (digital) data | | 02549 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|------------------------|-----------------|---|--|-------|-------|
| 2324.2 | weighing module | according to T.2.7.5 of R051-1:2006, T.2.7.5 | part of the weighing instrument that comprises all mechanical and electronic devices (i.e. load receptor, load-transmitting device, load cell, and analog data processing device) but not having the means to display the weighing result. It may optionally have devices for further processing (digital) data and operating the instrument | | 00589 |
| 2325.2 | weighing module | according to T.2.7.5 of R_107-1:2007, T.2.7.5 | part of the weighing instrument that comprises all mechanical and electronic devices (i.e. load receptor, load-transmitting device, load cell, and analog data processing device or digital data processing device) but not having the means to display the weighing result. It may optionally have devices for further processing (digital) data and operating the instrument | | 02346 |
| 2326.2 | weighing module | according to T.2.2.7 of R0_76-1:2006, T.2.2.7 | part of the weighing instrument that comprises all mechanical and electronic devices (i.e. load receptor, load-transmitting device, load cell, and analog data processing device or digital data processing device) but not having the means to display the weighing result. It may optionally have devices for further processing (digital) data and operating the instrument | | 00903 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|---------------------------------|--|--|-------|--|
| 2770. | weighing module | according to 2.2.8.6 of R 150-1:2020, | part of an instrument providing information on the mass of the load to be measured. It may optionally have devices for further processing (digital) data and operating instrument | | 03637 |
| 2771. | weighing module | according to A.2.1 of R 60-1:2021, Annexes | part of the weighing instrument that comprises all mechanical and electronic devices (i.e. load receptor, load-transmitting device, load cell, and analog data processing device or digital data processing device) but not having the means to display the weighing result. It may optionally have devices for further processing (digital) data and operating the instrument (OIML R 76-1, T.2.2.7) | | 03638 |
| 2327.27 | weighing range | according to T.3.1.3 of R 51-1:2006, T.3.1.3 | range between the minimum and maximum capacities | | 00625 |
| 2328.27 | weighing range | according to 0.3.2.3 of R 106-1:2011, 0.3.2.3 | range between the minimum and maximum capacities | | 02586 |
| 2329.27 | weighing range | according to T.3.2.3 of R 134:20036, T.3.2.3 | range between the minimum and maximum capacities | | 03639 01811 |
| 2330.27 | weighing range | according to T.3.1.4 of R 76-1:2006, T.3.1.4 | range between the minimum and maximum capacities | | 00943 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|--------------------------|--|--|--|-----------------------|
| 2331.2 | weighing results | according to T.5.2 of R0_76-1:2006, T.5.2 | (--) | <i>Note:</i> The definitions in T.5.2 apply only when the indication has been zero before the load has been applied to the instrument. | 00966 |
| 2332.2 | weighing rollers | according to 2.2.2.2 of R0_50-1:20141997, T.3.2.2 | the rollers by means of which the conveyor belt is supported on the load receptor arrangements (commonly idlers) by which the conveyor belt is supported on the weighing module | <i>Note:</i> An ‘inclusive of conveyor’ type belt weigher will normally have weighing rollers or idlers. | 0364000491 |
| 2333. | weighing unit | R061-1:2004, T.2.1.1 | device which provides information on the mass of the load to be measured. This device may consist of all or part of a non-automatic weighing instrument | | 00763 |
| 2334. | weighing unit | R050-1:1997, T.3.4 | the part of a belt weigher providing information on the mass of the load to be measured | | 00495 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---|---|--|-------|----------------------------|
| 2335.27 | weighing-in-motion | according to T.3.1.3 of R_134:20036, T.3.1.3 | process of determining the total mass of a moving vehicle by measurement and analysis of the dynamic vehicle tyre forces process of determining the vehicle mass, the axle load, and if applicable, the axle-group load of a moving vehicle (i.e. a vehicle crossing over the load receptor of the weighing instrument) by measurement and analysis of the dynamic vehicle tyre forces | | 0364101806 |
| 2336.27 | weighing-in-motion (WIM) | according to 0.3.1.3 of R_106-1:2011, 0.3.1.3 | determining the mass of railway vehicles that are in motion | | 02569 |
| 2780. | weighing segment length | according to 2.3.12 of R_150-1:2020, | length of weighing part of the arched chute | | 03642 |
| 2337.27 | weigh-price labeler | according to T.1.3.3 of R0_51-1:2006, T.1.3.3 | catchweigher that calculates the price to pay on the basis of the indicated mass and the unit price and labels individual pre-assembled discrete loads (e.g. prepackages with the weight value, unit price and price to pay) | | 00564 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|------------------------|---|---|---|-----------------------|
| 2338.2 | weight | according to 2 of D0_28:2004, 2 | material measure of mass, regulated in regard to its physical and metrological characteristics: shape, dimensions, material, surface quality, nominal value, density, magnetic properties and maximum permissible error | <u>Note:</u> The term “weight” is also used as the physical quantity of the gravitational force of a body. From the context it is usually clear in which sense the term is used. If the sense is not clear, one may use the words “weight force” or “weight piece”, depending on its meaning. | 00267 |
| 2339.2 | weight | according to 2.19 of R_111-1:2004, 2.19 | material measure of mass, regulated in regard to its physical and metrological characteristics: shape, dimensions, material, surface quality, nominal value, density, magnetic properties and maximum permissible error | | 01471 |
| 2340.2 | weight | according to 3.1.3 of R0_61-1:201704, T.1.4 | quantity representing the force resulting from the effect of gravity on a load | <u>Note:</u> in OIML R 61 “weight” is preferably used for an embodiment (= material measure) of mass that is regulated in regard to its physical and metrological characteristics | 0364300753 |
| 2341. | weight (Wt) | R129:2000, 2.14 | for this Recommendation, the weight of the object measured on weighing instrument | | 01713 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------|----------------------------|--|--|-------|-------|
| 2342.2 | weight of a body (F_g) | according to 2.20 of R_111-1:2004, 2.20 | gravitational force with which the body is attracted by the earth. The word weight denotes a quantity of the same nature as a force: the weight of a body is the product of its mass and the acceleration due to gravity | | 01472 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------|---|---|-------|-------|
| 2343.27 | weighted mean error (WME) | according to 3.2.5 of R_137:2012, 3.2.5 | <p>the weighted mean error (WME) within the scope of this Recommendation is defined as:</p> $WME = \frac{\sum_{i=1}^n k_i E_i}{\sum_{i=1}^n k_i} \quad \text{with}$ $k_i = \frac{Q_i}{Q_{\max}} \quad \text{for } Q_i \leq 0.7 Q_{\max}$ $k_i = 1.4 - \frac{Q_i}{Q_{\max}} \quad \text{for } 0.7 Q_{\max} < Q_i \leq Q_{\max}$ <p>where:</p> <p>k_i = weighting factor at the flow rate Q_i;</p> <p>E_i = the error at the flow rate Q_i.</p> | | 02661 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------|---------------------------|--|---|--|-------|
| 2344.2 | weighted mean error (WME) | according to T.2.20 of R_140:2007, T.2.20 | <p>weighted combination of errors of a meter or a metering module. The WME is used to adjust the error curve as close as possible to zero</p> <p>The WME is calculated as follows:</p> $WME = \frac{\sum_{i=1}^n k_i \times E_i}{\sum_{i=1}^n k_i}$ <p>where:</p> <p>n greater than or equal to 6 being the number of measurements</p> <p>i performed at different flowrates Q_i;</p> <p>k_i being the weighting factors;</p> <p>E_i being the error at the flowrate Q_i.</p> <p>For each flowrate, $k_i = Q_i/Q_{\max}$, except for $Q_i = Q_{\max}$ for which the weighting factor is equal to 0.4.</p> | <p><u>Note:</u> When the specified measuring range of a metering module including only one meter is known beforehand and when this range is smaller than the maximum specified measuring range of the meter, it is recommended to determine the WME and adjust the meter over the actual operating range only and update the markings accordingly.</p> | 02089 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------|---------------------------------|--|--|--|-------|
| 2345. | wet hose type | R105:1993, T.9 | a system in which the discharge hose remains full of liquid prior to and after the completion of a measurement and delivery | | 01219 |
| 2788. | width (<i>W</i>) | according to 2.1.1.2 of R 129-1:2020, | linear measured dimension that oriented 90 degree relative to the length and height | | 03644 |
| 2346.2 | working automated refractometer | R142:2008, 2.2+2.3 | instrument in which the test sample is supplied manually or automatically to the device in the continuous mode, depending on the technological process | A working automated refractometer may be equipped with a built in microprocessor displaying the measurement data. It may also be connected to one or several secondary indicating devices, printing units and other auxiliary devices, including a universal computer. | 02117 |
| 2790. | working concentration range | according to 3.4 of R 123:1997, | limits of concentration of an element in a sample over which the instrument operates within the performance requirements of this Recommendation. | | 03645 |
| 2347.2 | working conditions | according to 2.40 of R 80-1:2009, 2.40 | conditions under which the volume of liquid is to be measured, at the point of measurement (example: temperature, viscosity, position of the tank). | | 02279 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-------------------------|---|--|--|--|-----------------------|
| 2792. | working conditions | according to 2 of R 80-2:2017, | conditions under which the volume of liquid is to be measured, at the point of measurement (example: temperature, viscosity, position of the tank) | | 03646 |
| 2348-27 | working density, ρ_w | according to 3.3.11 of R_137:2012, 3.3.11 | density of the gas flowing through the gas meter, corresponding to ρ_w and t_w | | 02689 |
| 2794. | working measurement standard workin standard | according to 3.19 of D 5:2022, | measurement standard that is used routinely to calibrate or verified measuring instruments or measuring systems [VIM, 5.7] | Note 1: A working measurement standard is usually calibrated with respect to reference measurement standard. Note 2: In relation to verification, the terms “check standard” or “control standard” are also sometimes used. | 03647 |
| 2349-27 | working pressure p_w | according to 3.3.11 of R_49-1:202413, 3.3.11 | average water pressure (gauge) in the pipe measured upstream and downstream of the meter | | 02417 |
| 2350-27 | working pressure, p_w | according to 3.3.8 of R_137:2012, 3.3.8 | pressure of the gas to be measured at the gas meter | | 02686 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|-------------------------------|--|---|---|-------|
| 2351-27 | working range | according to 3.7 of R_100-1:2013, 3.7 | range of concentrations of an element of interest in solution that can be measured within specified limits | <i>Note:</i> ___ Dilution, or concentration, of a sample solution may be necessary to bring the element of interest within the working range. The zero absorbance of the spectrometer is adjusted using a blank reference solution. | 02518 |
| 2352-27 | working range | according to 3.12 of R_83:2006, 3.12 | range of concentrations of a component of interest in solution that can be measured with a repeatability within specified limits | | 01072 |
| 2353-27 | working range | according to 3.12 of R_116:2006, 3.12 | range of concentrations over which the output signal of the instrument is directly proportional to the concentration of the element being measured to within specified limits | | 01525 |
| 2354-28 | working stroke of the piston | according to 2.1.3 of R_110:1994, 2.1.3 | he stroke of the piston within which the pressure balance maintains its metrological characteristics | | 01422 |
| 2355-28 | working temperature T_w | according to 3.3.10 of R_49-1:202413, 3.3.10 | water temperature in the pipe measured upstream of the meter | | 02416 |
| 2356-28 | working temperature, t_w | according to 3.3.5 of R_137:2012, 3.3.5 | temperature of the gas to be measured at the gas meter | | 02683 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|--------------------|---------------------------------------|--|---|-------|-----------------------|
| 2803. | zero adjustment of a measuring system | according to 2.17 of R 149-1:2020 | procedure that corrects a deviation of the pressure reading to 0.0 kPa (0 mmHg) at atmospheric pressure (gauge pressure: 0 kPa (0 mmHg)) (VIM 3.11) | | 03648 |
| 2357.28 | zero-quantity | according to T.17 of R 125:1998, T.17 | the quantity of liquid equivalent to a zero signal from the measurement transducer | | 01633 |
| 2358.28 | zero setting | according to 2.14 of R 16-2:2002, 2.14 | procedure that corrects a deviation of the pressure reading to 0—_kPa (0—_mmHg) at atmospheric pressure (gauge pressure: 0—_kPa (0—_mmHg)) | | 00334 |
| 2359.28 | zero setting device | according to T.2.7.2 of R 76-1:2006, T.2.7.2 | device for maintaining the zero indication within certain limits automatically | | 00919 |
| 2360.28 | zero setting device | according to T.2.10.8 of R 51-1:2006, T.2.10.8 | device for setting the indication to zero when there is no load on the load receptor | | 00611 |
| 2361.28 | zero tracking device | according to T.2.10.9 of R 51-1:2006, T.2.10.9 | device for setting the indication to zero when there is no load on the load receptor | | 00616 |
| 2362.28 | zero-setting device | according to 0.2.10 of R 106-1:2011, 0.2.10 | device for setting the indication to zero when there is no load on the load receptor | | 02560 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|-----------------------|-------------------------------------|---|--|--|----------------------------|
| 2363.28 | zero-setting device | according to T.2.10.1 of R_134:2003 6 , T.2.4.1 | means used to set the weight indicating device to zero when the load receptor is empty device for setting the indication to zero when there is no load on the load receptor | | 0364901797 |
| 2364.28 | zero-setting device | according to 2.2.6 of R_50-1:2014 1997 , T.3.8.1 | device for setting the indication to zero when there is no load on the load receptor device enabling the indication to be set to zero when there is no load on the load receptor | <i>Note:</i> Usually obtained over a whole number of revolutions of the empty conveyor belt. | 0365000503 |
| 2365.28 | zero-setting device | according to T.2.4 of R_107-1:2007 , T.2.4 | device for setting the indication to zero when there is no load on the load receptor | | 01333 |
| 2366.28 | zero-setting device | according to 3.3.4 of R_61-1:2017 04 , T.2.4 | the means used to set the weight indicating device to zero when the load receptor is empty device for setting the indication to zero when there is no load on the load receptor | | 0365100776 |
| 2367.28 | zero-setting device | according to T.2.5 of R_136-:2004 , T.2.5 | device for setting the indication to zero | | 01895 |
| 2815. | zero-setting device | according to 2.2.6 of R 150-1:2020 , | device enabling the indication to be set to zero in absence of any mass passing along the force receptor | | 03652 |

| | Term | Reference to OIML Recommendation (R) or Document (D) | Definition | Notes | ID |
|---------------------|--|---|---|-------|-----------------------|
| 2368-28 | zero-setting facility | according to 3.10 of R_99-1:2008, 3.10 | facility to set the indication of the instrument to zero | | 02342 |
| 2369-281 | zero-setting means (of a gas analyzer) | according to 2.8 of R_144-1:2013, 1.8 | means to set the indication of the gas analyzer to zero | | 02763 |
| 2370-28 | zero-setting means (of a gas analyzer) | according to 2.8 of R_143:2009, 2.8 | means to set the indication of the gas analyzer to zero | | 02134 |
| 2371-28 | zero-tracking device | according to T.2.7.3 of R_76-:2006, T.2.7.3 | device for maintaining the zero indication within certain limits automatically | | 00924 |
| 2372-28 | zero-tracking device | according to 0.2.10.4 of R_106-1:2011, 0.2.10.4 | device for maintaining the zero indication within certain limits automatically | | 02564 |
| 2373-28 | zero-tracking device | according to T.2.10.5 of R_134:2003, T.2.4.1.5 | device for automatically maintaining the zero indication within certain limits device for maintaining the zero indication within certain limits automatically | | 0365301802 |
| 2374-28 | zero-tracking device | according to 3.3.4.5 of R_61-1:2017, T.2.4.5 | device for automatically maintaining the zero indication within certain limits automatically | | 0365400781 |
| 2375-28 | zero-tracking device | according to T.2.4.5 of R_107-1:2007, T.2.4.5 | device for maintaining the zero indication within certain limits automatically | | 01338 |

Annex A
Figures and tables from OIML Recommendations
(Mandatory)

OIML R 84:2003, Table 1.

| <u>Type of thermometer</u> | <u>Designation</u> | <u>Nominal values of relative resistance</u> $\frac{W_{100}^A}{100}$ | <u>Tolerance class</u> |
|--------------------------------|--------------------|---|----------------------------|
| <u>Platinum</u> | <u>PRT</u> | <u>1.385</u> | <u>AA, A, B, C, D</u> |
| | <u>PRT</u> | <u>1.391</u> | <u>AA, A, B</u> |
| <u>Copper</u> | <u>CRT</u> | <u>1.426</u> | <u>B, C</u> |
| | <u>CRT</u> | <u>1.428</u> | <u>B, C</u> |
| <u>Nickel</u> | <u>NRT</u> | <u>1.617</u> | <u>C</u> |

Table 1 Designations, nominal values of relative resistance and tolerance classes of resistance thermometers.

OIML R 128:2000, Figure 1.

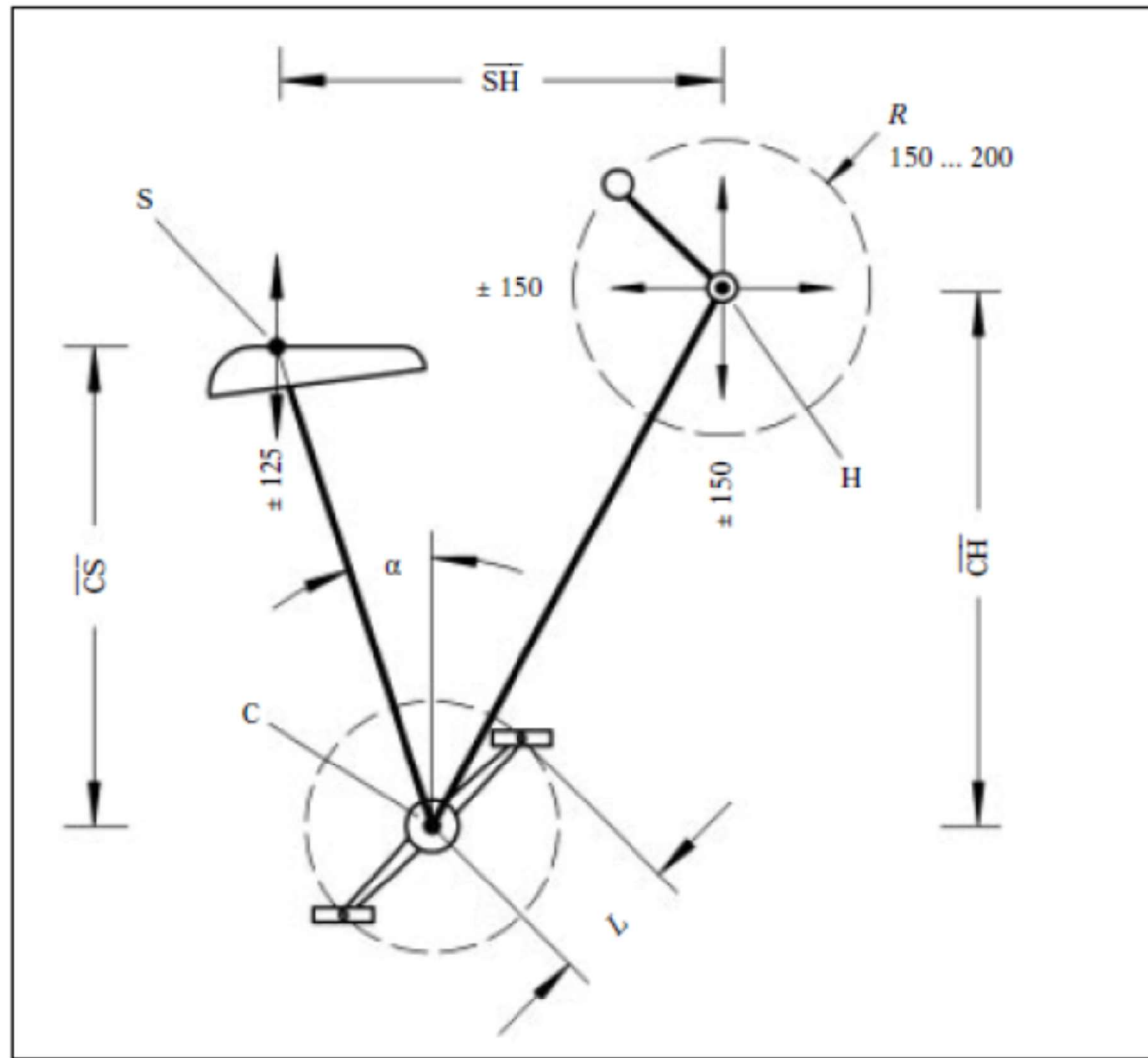


Fig. 1 Definiton of basic saddle position S, basic handle position H and centre of foot crank bearing C (dimensions in mm).

[OIML R 146-1:2016, Table 2.](#)

| Mean error of indication | | Mean intrinsic error | |
|--|---|---|---|
| Measured quantity value | Reference quantity | Measured quantity value | Reference quantity |
| Mean of P_{MB} indications under rated operating conditions | If CRM is used - P_{MB} of CRM | Mean of P_{MB} indications at reference conditions prior to test | If CRM is used - P_{MB} of CRM |

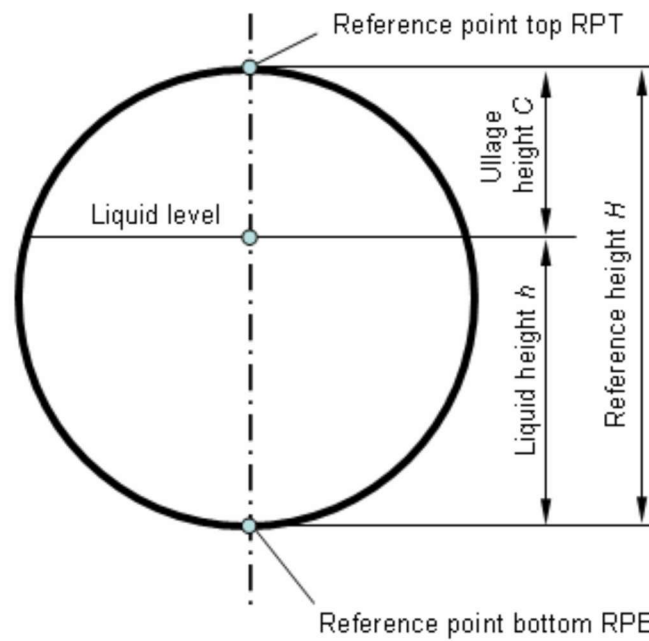
[Table 2: Measured values for calculating the error shift exhibited by the instrument](#)

[OIML R 146-1:2016, Table 3.](#)

| Measurement error (error of indication) | | Mean intrinsic error | |
|---|---|---|---|
| Measured quantity value | Reference quantity | Measured quantity value | Reference quantity |
| Single P_{MB} indication during or after the disturbance | If CRM is used - P_{MB} of CRM | Mean of P_{MB} indications at reference conditions prior to test | If CRM is used - P_{MB} of CRM |

[Table 3: Measured values for calculating the fault exhibited by the instrument during or after a disturbance](#)

[OIML R 80-1:2009, Figure 1.](#)



[Fig. 1 Schematic view of a tank to determine 2.15 - 2.19](#)

[OIML R 91-1:2025, Figure 1.](#)

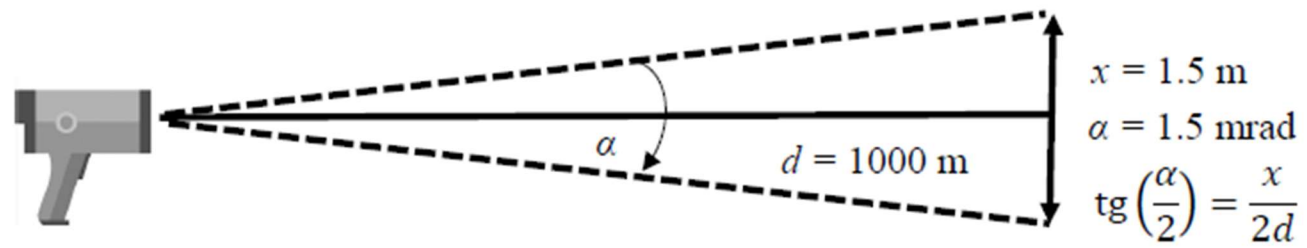


Figure 1 – Illustration of a beam width of 1.5 mrad or 1.5 m at a distance of 1000 m

[OIML R 91-1:2025, Figure 2.](#)

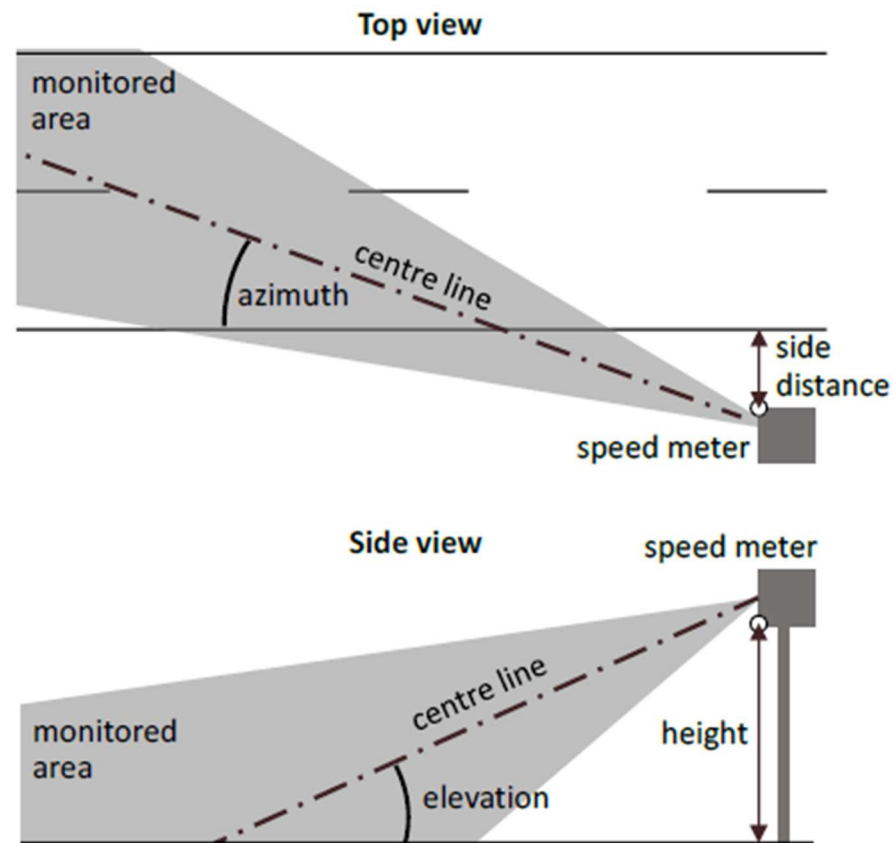


Figure 2 – Illustration of several alignment parameters of speed meters (azimuth, elevation, side distance and height)

[OIML R 91-1:2025, Figure 3.](#)

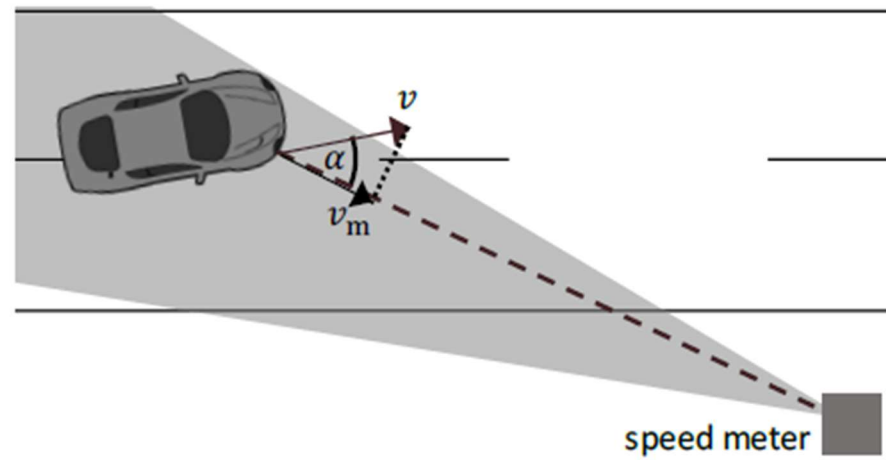


Figure 3 – Illustration of the horizontal component of the measurement angle α

[OIML R 91-1:2025, Figure 4.](#)

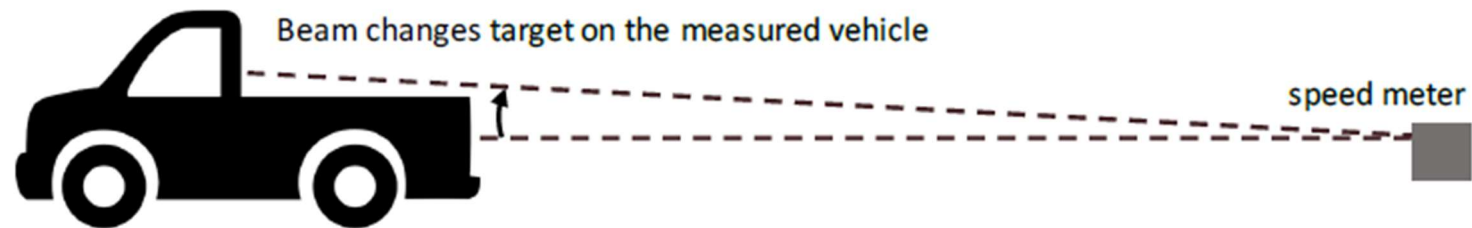


Figure 4 – Exemplary arrangement where a vehicle shape-related error could occur