INTERNATIONAL RECOMMENDATION

OIML R 129-3

Edition 2020 (E)

Multi-dimensional measuring instruments

Part 3: Test report format

Instruments de mesure multidimensionnels

Partie 3: Format du rapport d'essais

ORGANISATION INTERNATIONALE DE MÉTROLOGIE LÉGALE

INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY

CONTENTS OF PART 3: TEST REPORT FORMAT

Foreword 4

1 Introduction 5

1.1 Explanatory notes to the test report 6

1.2 Identification of the instrument 7

1.3 General information concerning the type 10

1.4 Information concerning the test equipment used for type evaluation 13

1.5 Configuration for test 14

1.6 Adjustments or modifications 15

2 Type Evaluation Tests

2.1 Summary of type evaluation 16

2.2 Instrument warm-up time 18

2.3 Repeatability 19

2.4 Static temperatures 21

2.5 Damp Heat 25

2.6 AC mains voltage variation 30

2.7 Low voltage of internal battery 33

2.8 AC mains voltage dips, short interruptions and reductions 36

2.9 Electrical bursts 38

2.10 Electrostatic discharge 42

2.11 Electrical surges 47

2.12 Immunity to RF electromagnetic fields 65

2.13 Ambient light 70

2.14 Acoustics 75

2.15 Shape of the object 78

2.16 Uniform surface colour 81

2.17 Non uniform surface colour 84

2.18 Contrast of colour with background colour 87

2.19 Surface reflectivity and absorption of sound 90

2.20 Surface reflectivity and absorption of colour 93

2.21 Uniformity of density 96

2.22 Transparency 99

2.23 Surface roughness 102

2.24 Protrusions on the surface 105

2.25 Orientation and position 108

2.26 Speed of relative movement 111

2.27 Examination of the construction of the instrument 117

Foreword

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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 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 CIML. Thus, they do not necessarily represent the views of the OIML.

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1 Introduction

The “Test report format”, the subject of OIML R 129-3, aims at presenting, in a standardised format, the results of the various tests and examinations to which a type of a multi-dimensional measuring instrument (MDMI) shall be submitted with a view to its approval.

The “Test report format” is a record of the results of the tests carried out on the instrument. The forms have been produced based on the tests detailed in the performance test procedures (OIML R 129-2).

The “Information concerning the test equipment used for type evaluation” shall cover all test equipment which has been used in determining the test results given in a report. The information may be a short list containing essential data (name, type, reference number for purpose of traceability). For example:

- Verification standards (accuracy or accuracy class, and no.);
- Simulator for testing of modules (name, type, traceability and no.);
- Climatic test and static temperature chamber (name, type and no.);
- Electrical tests, bursts (name of the instrument, type and no.);
- Description of the procedure of field calibration for the electromagnetic susceptibility test.

All metrology services or laboratories evaluating types of multi-dimensional measuring instrument according to OIML R 129-1 and -2, or to national or regional regulations based on OIML R 129-1 and -2, are strongly advised to use this “Test report format”, directly or after translation into a language other than English or French. Its direct use in English or in French, or in both languages, is even more strongly recommended whenever test results may be transmitted by the country performing these tests to the approving authorities of another country, under bi- or multi-lateral cooperation agreements. In the framework of the OIML Certification System (OIML-CS), use of the “Test report format” is mandatory.

1.1 Explanatory notes to the test report

Meaning of symbols used in this report

L = Indicated length
W = Indicated width
H = Indicated height
L_T = Length of the test object
DL = Error, $L - L_T$
W_T = Width of the test object
DW = Error, $W - W_T$
H_T = Height of the test object
DH = Error, $H - H_T$
mpe = Maximum permissible error
V = Volume indicated on the instrument
Vcalc = $L \times W \times H$
F = Conversion factor
DW = Dimensional weight indicated on the instrument
DWcalc = $V \times F$
SF = Significant fault

The name(s) or symbol(s) of the unit(s) used to express test results shall be specified on each form.

The boxes under the headings of the report should always be filled in according to the following example:

	At start	At end	
Temp.:	20.5	21.1	°C
Rel. h.:			%
Date:	15/10/2014	15/10/2014	yyyy-mm-dd
Time:	16:00:05	16:30:05	hh:mm:ss

where Temp. = temperature
Rel. h. = relative humidity

“Date” in the test report refers to the date on which the test was performed.

"ID" refers to the identity of the test object used (e.g. unique identifying number) and is entered in the appropriate columns as required.

1.2 Identification of the instrument

Application no.: .....

Identification no.: .....

Software version: .....

Report date: .....

Type designation: .....

Manufacturer: .....

Documentation from the manufacturer

(Record as necessary to identify the equipment under test)

System or module name	Drawing number or software reference	Issue level	Serial no.

Simulator documentation (if applicable)

System or module name	Drawing number or software reference	Issue level	Serial no.

1.2 Identification of the instrument (cont'd)

Application no.: ..... Type designation: .....

Identification no.: ..... Manufacturer: .....

Software version: .....

Report date: .....

Simulator function (summary) (if applicable)

(Simulator description and drawings, block diagram, etc. should be attached to the report if available)

1.2 Identification of the instrument (cont'd)

Application no.: ..... Type designation: .....

Identification no.: ..... Manufacturer: .....

Software version: .....

Report date: .....

Physical description of the instrument

Describe, using point form, the physical construction of the MDMI (materials, configuration and location of components, interfaces and communications ports). Attach photographs, diagrams or drawings if available:

Describe, using point form, the measurement technology used (include details such as physical contact method; laser class, power and wavelength; ultrasonic frequency; or camera spectrum):

1.3 General information concerning the type

Application no.: ..... Manufacturer: .....

Type designation: ..... Applicant: .....

Instrument category: .....

Parameter limits		
	Minimum	**Maximum**
Temperature limits (°C)		
Speed limitations (m/s)		
Voltage (V)		
Minimum spacing		/
Limitation		**Check if applicable**
Object		
Cuboidal		
Irregular		
Singulated		
Non-singulated, non-touching		
Touching		
Measurement dynamics		
Static measurement only		
Fixed speed		
Variable speed		
Unidirectional		
Bidirectional		
Installation		
Permanent		
Mobile		
Power supply		
AC		
AC-DC converter		
Battery		
DC		

Evaluation period: .....

Date of report: .....

Observer: .....

1.3 General information concerning the type (cont'd)

Application no.: .....

Type designation: .....

Instrument category: .....

Manufacturer: .....

Applicant: .....

Scale interval and limits of indication

Axis	Unit of measurement	Scale interval (*d*)	Minimum dimension	Maximum dimension
X				
Y				
Z				

Describe, using point form, each axis and its relation to the physical object being measured and/or the MDMI itself:

Use this space to describe, using point form, any other use or installation limitations not detailed in the above on the previous page (such as special applications other than postage, freight or storage; restrictions on object material, texture, reflectivity or colour; object positioning):

Use this space to indicate additional remarks and/or information: connecting equipment, interfaces, choice of the manufacturer regarding protection against disturbances, etc.

1.3 General information concerning the type (cont'd)

Application no.: ..... Manufacturer: .....

Type designation: ..... Applicant: .....

Instrument category: .....

Indications and controls

Describe, using point form, all indications and controls of the instrument (such as wired or wireless communication with instrument, zero method, ready indication, computed quantities, error codes). Describe each measurement (L, W, and H) and its relation to the physical object being measured and/or the MDMI itself:

Sealing

Describe, using point form, the physical and electronic seals (e.g. audit trails) used to protect the metrological characteristics of the instrument, and how to access them. Also describe any remote access abilities available and how this is sealed:

Software

Describe, using point form, the means used to protect legally relevant software in the instrument and indicate the version of the software present at the time of testing and how to verify this version number:

1.4 Information concerning the test equipment used for testing

Application no.: ..... Type designation: .....

Report date: ..... Manufacturer: .....

List all test equipment used in this report (including descriptions of the equipment used for testing)

Equipment name	Manufacturer	Type no.	Serial no.	Used for (test references)

1.5 Configuration for test

Application no.: ..... Type designation: .....

Report date: ..... Manufacturer: .....

Use this space for additional information relating to equipment configuration, interfaces, data rates, EMC protection options, etc., for the instrument and/or simulator.

Calibration principle

Calibration number	GT1	GT2	etc.*
Version number:			
Displayed name:			
Date submitted:			

Regression information

Approx number of data points:			
Data sources, date range			
Reference method(s):			
Other validation result (e.g. SD, SEP)			
Default slope (if applicable):			
Default bias (if applicable):			
Other characteristic:			

*Copy table into additional pages if more than two calibrations are submitted for examination

Comments:

1.6 Adjustments or modifications

Application no.: ..... Type designation: .....

Report date: ..... Manufacturer: .....

Use this space for additional information relating to the identification of any authorised and agreed upon adjustments or modifications made to the sample or samples during the evaluation.

2 Type evaluation tests

2.1 Summary of type evaluation

Report no.: .....
Application no.: .....
Manufacturer: .....
Make and model: .....

Section	Test	Report page	Pass	Fail	Remarks
2.2	Instrument warm-up time (A.1.1)				
2.3	Repeatability (A.1.2)				
2.4	Static temperatures (A.2.1)				
2.4.1	Initial reference temperature = °C				
2.4.2	High temperature = °C Low temperature = °C				
2.4.3	End reference temperature = °C				
2.5	Damp heat				
2.5.1	Steady state (non-condensing) (A.2.2)				
2.5.1.1	Initial reference temperature and 50 % relative humidity				
2.5.1.2	High temperature and 85 % relative humidity				
2.5.1.3	End reference temperature and 50 % relative humidity				
2.5.2	Cyclic (condensing) (A.3.6)				
2.5.2.1	DH cyclic				
2.6	AC mains voltage variation (A.2.3)				
2.6.1	Nominal voltage				
2.6.2	Nominal voltage + 10 %				
2.6.3	Nominal voltage − 15 %				
2.7	Low voltage of internal battery (A.2.4)				
2.7.1	Nominal voltage				
2.7.2	Low voltage				
2.7,3	90 % of Minimum voltage				
2.8	AC mains voltage dips, short interruptions and reductions (A.3.1)				
2.9	Electrical bursts test (A.3.2)				
2.9.1	Power supply lines				
2.9.2	Input/output control circuits and communication lines				
2.10	Electrostatic discharge (A.3.3)				
2.10.1	Direct application				
2.10.2	Indirect application				
2.11	Electrical surges (A.3.4)				
2.11.1	Surges on AC mains power lines (A.3.4.1)				
2.11.1.1	AC surge voltage at 0°				
2.11.1.2	AC surge voltage at 90°				
2.11.1.3	AC surge voltage at 180°				
2.11.1.4	AC surge voltage at 270°				
2.11.2	Surges on signal, data and control lines (A.3.4.2)				
2.12	Immunity to RF electromagnetic fields (A.3.5)				
2.12.1	Radiated RF electromagnetic fields (A.3.5.1)				
2.12.2	Conducted RF electromagnetic fields (A.3.5.2)				

2.1 Summary of type evaluation (cont'd)

Section	Test	Report Page	Pass	Fail	Remarks
2.13	Ambient light (A.4.1)				
2.13.1	200 lx to 500 lx (reference)				
2.13.2	100 lx				
2.13.3	1000 lx to 1500 lx				
2.13.4	Other intensity lx				
2.14	Acoustics (A.4.2)				
2.14.1	Reference sound level (_____ dB)				
2.14.2	Sound level 100 dB				
2.15	Shape of the object (A.1.6)				
2.16	Uniform surface colour test (A.1.6)				
2.17	Non uniform surface colour test (A.1.6)				
2.18	Contrast of colour with background colour test (A.1.6)				
2.19	Surface reflectivity and absorption of sound test (A.1.6)				
2.20	Surface reflectivity and absorption of colour test (A.1.6)				
2.21	Uniformity of density test (A.1.6)				
2.22	Transparency test (A.1.6)				
2.23	Surface roughness test (A.1.6)				
2.24	Protrusions on the surface test (A.1.6)				
2.25	Orientation and position test (A.1.6)				
2.26	Speed of relative movement test (A.1.6)				
2.26.1	Minimum speed				
2.26.2	Maximum speed				
2.27	Examination of the construction of the instrument (R 129-1, 5.1.2)				

2.2 Instrument warm-up time (A.1.1)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Test object, close to minimum dimensions — Test object ID [ ]

Length = [ ] unit = [ ] Width = [ ] unit = [ ] Height = [ ] unit = [ ]

Test object, close to maximum dimensions — Test object ID [ ]

Length = [ ] unit = [ ] Width = [ ] unit = [ ] Height = [ ] unit = [ ]

Test object, close to minimum dimensions — Test object ID [ ]

Time	Initial zeroing/ready condition (yes/no)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
0 minutes									
5 minutes									
15 minutes									
30 minutes									

Test object, close to maximum dimensions — Test object ID [ ]

Time	Initial zeroing/ready condition (yes/no)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
0 minutes									
5 minutes									
15 minutes									
30 minutes									

Remarks

RESULT : **PASS** [ ] **FAIL** [ ]

2.3 Repeatability (A.1.2)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1												
2												
3												

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1												
2												
3												

2.3 Repeatability (A.1.2) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1												
2												
3												

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1												
2												
3												

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1												
2												
3												

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.4 Static temperatures (A.2.1)

2.4.1 Initial reference temperature (A.2.1)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected ☐ Not connected but connectable ☐ Not connected ☐

Correct indication of ancillary device ☐ (yes/no)

Conveyor speed (m/min): Minimum ☐ Maximum ☐ Other ☐

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (yes/no)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.4 Static temperatures (A.2.1)

2.4.2 High and low temperatures (A.2.1)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

												High temperature	
Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

2.4.2 High and low temperatures (cont'd)

												Low temperature	
Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.4 Static temperatures (A.2.1)

2.4.3 Reference temperature (A.2.1)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected ☐ Not connected but connectable ☐ Not connected ☐

Correct indication of ancillary device ☐ (yes/no)

Conveyor speed (m/min): Minimum ☐ Maximum ☐ Other ☐

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (yes/no)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.5 Damp heat

2.5.1 Steady state (non-condensing) (A.2.2)

2.5.1.1 Initial reference temperature and 50 % relative humidity

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc
1												
2												
3												
4												
5												

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.5 Damp heat

2.5.1 Steady state (non-condensing) (A.2.2)

2.5.1.2 High temperature and 85 % relative humidity

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected ☐ Not connected but connectable ☐ Not connected ☐

Correct indication of ancillary device ☐ (yes/no)

Conveyor speed (m/min): Minimum ☐ Maximum ☐ Other ☐

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc
1												
2												
3												
4												
5												

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.5 Damp heat

2.5.1 Steady state (non-condensing) (A.2.2)

2.5.1.3 End reference temperature and 50 % relative humidity

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected ☐ Not connected but connectable ☐ Not connected ☐

Correct indication of ancillary device ☐ (yes/no)

Conveyor speed (m/min): Minimum ☐ Maximum ☐ Other ☐

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.5 Damp heat

2.5.2 Cyclic (condensing) (A.3.6)

2.5.2.1 Damp heat cyclic

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

							Ref temp (ºC)	
Test object ID	Initial zeroing (yes/no)	Indication			SF*	SF*	Result	Comment
		L	*W*	*H*				
1					Y/N	Y/N	Pass/Fail	
2								
3								
4								
5								

Damp heat, cyclic (24 h x 2 cycles)

2.5.2.1 Damp heat cyclic (A.2.2.2) (cont'd)

							Ref temp (ºC)	
Test object ID	Initial zeroing (yes/no)	Indication			SF*	SF*	Result	Comment
		L	*W*	*H*				
1					Y/N	Y/N	Pass/Fail	
2								
3								
4								
5								

1. SF* - significant fault detected and acted upon.

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.6 AC mains voltage variation (A.2.3)

2.6.1 Nominal voltage (A.2.3)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Nominal voltage (V)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	L	ΔL	W	ΔW	H	ΔH	mpe	V	V calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.6 AC mains voltage variation (A.2.3)

2.6.2 Nominal voltage -15 % (A.2.3)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Nominal voltage - 15% (V)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	L	ΔL	W	ΔW	H	ΔH	mpe	V	V calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.6 AC mains voltage variation (A.2.3)

2.6.3 Nominal voltage +10 % (A.2.3)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Nominal voltage + 10% (V)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: PASS [ ] FAIL [ ]

2.7 Low voltage of internal battery (A.2.4)

2.7.1 Nominal voltage (A.2.4)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Marked nominal voltage (V)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: PASS [ ] FAIL [ ]

2.7 Low voltage of internal battery (A.2.4)

2.7.2 Low voltage (A.2.4)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Low voltage (V)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: PASS [ ] FAIL [ ]

2.7 Low voltage of internal battery (A.2.4)

2.7.3 90 % of minimum voltage (A.2.4)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Low voltage (V)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (Yes/No)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	*V*	*V* calc	DW	DWcalc	Pass/Fail
1													
2													
3													
4													
5													

Remarks

RESULT: PASS [ ] FAIL [ ]

2.8 AC mains voltage dips, short interruptions and reductions (A.3.1)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

Instrument

Reduction in amplitude to (as % marked nom voltage)	Duration* (in cycles)	Number of disturbances ≥ 10	Time between disturbances ≥ 10 s	Indication			SF*	SF*	Result	Comment
				L	*W*	*H*				
units							Y/N	Y/N	Pass/Fail	
0	0	0	–							
0	0.5									
0	1									
40	10/12									
70	25/30									
80	250/300									
0	250/300									

2.8 AC mains voltage dips, short interruptions and reductions (A.3.1) (cont'd)

Ancillary device

Reduction in amplitude to (as % marked nom voltage)	Duration* (in cycles)	Number of disturbances ≥ 10	Time between disturbances ≥ 10 s	Indication			SF*	SF*	Result	Comment
				L	*W*	*H*				
units							Y/N	Y/N	Pass/Fail	
0	0	0	–							
0	0.5									
0	1									
40	10/12									
70	25/30									
80	250/300									
0	250/300									

Notes:
1. SF* - significant fault detected and acted upon.
2. amplitude* - in case of a marked voltage range, use the average value as the marked nominal voltage.
3. duration* - values applicable for 50 Hz / 60 Hz respectively.

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.9 Electrical bursts (A.3.2)

2.9.1 Power supply lines (A.3.2)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

Instrument

	Connection			Polarity	Results						
	L ↓ ground	N ↓ ground	PE ↓ ground		Indication			SF* Y/N	SF* Y/N	Result Pass/Fail	Comment
					L	*W*	*H*				
Without disturbance	X			pos							
				neg							
Without disturbance		X		pos							
				neg							
Without disturbance			X	pos							
				neg							

Notes: 1. SF* - significant fault detected and acted upon
2. L = Phase, N = Neutral, PE = Protective Earth

2.9.1 Power supply lines (A.3.2) (cont'd)

Ancillary device

	Connection			Polarity	Results						
	L ↓ ground	N ↓ ground	PE ↓ ground		Indication			SF* Y/N	SF* Y/N	Result Pass/Fail	Comment
					L	*W*	*H*				
Without disturbance	X			pos							
				neg							
Without disturbance		X		pos							
				neg							
Without disturbance			X	pos							
				neg							

Notes: 1. SF* - significant fault detected and acted upon
2. L = Phase, N = Neutral, PE = Protective Earth

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.9 Electrical bursts (A.3.2)

2.9.2 Input / Output circuits and communication lines (A.3.2)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length=		Width=		Height=		Initial zeroing (Ready condition)		yes
		unit=		unit=		unit=				no

Connection	Polarity	Results						
Cable / Interface		Indication			SF* Y/N	SF* Y/N	Result Pass/Fail	Comment
		L	*W*	*H*				
Without disturbance								
	pos							
	neg							
Without disturbance								
	pos							
	neg							
Without disturbance								
	pos							
	neg							

2.9.2 Input / Output circuits and communication lines (A.3.2) (cont'd)

Connection	Polarity	Results						
Cable / Interface		Indication			SF* Y/N	SF* Y/N	Result Pass/Fail	Comment
		L	*W*	*H*				
Without disturbance								
	pos							
	neg							
Without disturbance								
	pos							
	neg							
Without disturbance								
	pos							
	neg							

Note: 1. SF* - significant fault detected and acted upon

Remarks:
(Explain or make a sketch indicating the location of clamp on the cable).

RESULT: PASS ☐ FAIL ☐

2.10 Electrostatic disharge (A.3.3)

2.10.1 Direct application (A.3.3)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device:	Connected		Not connected but connectable		Not connected	
Correct indication of ancillary device:			(yes/no)			
Conveyor speed (m/min):	Minimum		Maximum		Other	
Contact discharges			Air discharges		Paint penetration	
			Polarity **		positive	negative

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

Instrument

Disturbance			Results						
Test voltage (kV)	No. of discharges	Rep. interval (s)	Indication						
			L	*W*	*H*	SF*	SF*	Result	Comment
units						Y/N	Y/N	Pass/Fail	
Without disturbance									
2									
4									
6									
8*									

Note: SF* - significant fault detected and acted upon

2.10.1 Direct application (A.3.3) (cont'd)

Ancillary device

Disturbance			**Results**						
Test voltage (kV)	No. of discharges	Rep. interval (s)	Indication						
			L	*W*	*H*	SF*	SF*	Result	Comment
units						Y/N	Y/N	Pass/Fail	
Without disturbance									
2									
4									
6									
8*									

Note: SF* - significant fault detected and acted upon

Remarks:

Notes:
1. 8* - Air discharges
2. If the EUT fails, recored the test point at which the EUT fails.
3. Polarity ** - Tests shall be conducted at the most sensitive polarity.

RESULT: **PASS** ☐ **FAIL** ☐

2.10 Electrostatic disharge (A.3.3)
2.10.2 Indirect application (A.3.3)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Contact discharges [ ] Air discharges [ ] Paint penetration [ ]

Polarity ** [ ] positive negative [ ]

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

Horizontal coupling plane

Disturbance			Results						
Test voltage (kV)	No. of discharges	Rep. interval (s)	Indication						
			L	*W*	*H*	SF*	SF*	Result	Comment
units						Y/N	Y/N	Pass/Fail	
Without disturbance									
2									
4									
6									
8*									

Note: SF* - significant fault detected and acted upon

2.10.2 Indirect application (A.3.3) (cont'd)

Vertical coupling plane

Disturbance			**Results**						
Test voltage (kV)	No. of discharges	Rep. interval (s)	Indication						
			L	*W*	*H*	SF*	SF*	Result	Comment
units						Y/N	Y/N	Pass/Fail	
Without disturbance									
2									
4									
6									
8*									

Note: SF* - significant fault detected and acted upon

Remarks:

Notes:
1. 8* - Air discharges
2. If the EUT fails, recored the test point at which the EUT fails.
3. Polarity ** - Tests shall be conducted at the most sensitive polarity.

RESULT: **PASS** ☐ **FAIL** ☐

2.10 Electrostatic disharge (A.3.3)

2.10.3 Electrostatic discharge additional sheet (A.3.3)

Specifications of test points of EUT, e.g. photos or sketches

a) Direct application

Contact discharges:

Air discharges:

b) Indirect application

Contact discharges:

Air discharges:

2.11 Electrical surges (A.3.4)

2.11.1 Surges on AC mains

2.11.1.1 AC surge voltage at 0° (A.3.4.1)

Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device:	Connected		Not connected but connectable		Not connected	
Correct indication of ancillary device		(yes/no)				
Conveyor speed (m/min):	Minimum		Maximum		Other	

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

2.11.1.1 AC surge voltage at 0° (A.3.4.1) (cont'd)

Instrument

Connection	Mode	Results						
Test conditions		Indication			SF*	SF*	Result	Comment
		L	*W*	*H*	Y/N	Y/N	Pass/Fail	
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							
Positive	L-PE							
Negative	L-PE							
Positive	L2-PE							
Negative	L2-PE							

2.11.1.1 AC surge voltage at 0° (A.3.4.1) (cont'd)

Ancillary devices

Connection	Mode	Results						
Test conditions		Indication			SF* Y/N	SF* Y/N	Result Pass/Fail	Comment
		L	*W*	*H*				
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							
Positive	L-PE							
Negative	L-PE							
Positive	L2-PE							
Negative	L2-PE							

Notes:
1. SF* - significant fault detected and acted upon
2. L-L - Line to Line surge
3. N-PE - Neutral to Protective Earth surge
4. L-E - Line to Protective Earth surge
5. L2-E - Line2 to Protective Earth surge

2.11.1.1 AC surge voltage at 0° (A.3.4.1) (cont'd)

Remarks:

RESULT: **PASS** ☐ **FAIL** ☐

2.11 Electrical surges (A.3.4)
2.11.1 Surges on AC mains
2.11.1.2 AC surge voltage at 90° (A.3.4.1)

Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device:	Connected		Not connected but connectable		Not connected	
Correct indication of ancillary device		(yes/no)				
Conveyor speed (m/min):	Minimum		Maximum		Other	

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

2.11.1.2 AC surge voltage at 90° (A.3.4.1) (cont'd)

Instrument

Connection	Mode	Results						
Test conditions		Indication			SF*	SF*	Result	Comment
		L	*W*	*H*	Y/N	Y/N	Pass/Fail	
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							
Positive	L-PE							
Negative	L-PE							
Positive	L2-PE							
Negative	L2-PE							

2.11.1.2 AC surge voltage at 90° (A.3.4.1) (cont'd)

Ancillary devices

Connection	Mode	Results						
Test conditions		Indication			SF* Y/N	SF* Y/N	Result Pass/Fail	Comment
		L	*W*	*H*				
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							
Positive	L-PE							
Negative	L-PE							
Positive	L2-PE							
Negative	L2-PE							

Notes:
1. SF* - significant fault detected and acted upon
2. L-L - Line to Line surge
3. N-PE - Neutral to Protective Earth surge
4. L-E - Line to Protective Earth surge
5. L2-E - Line2 to Protective Earth surge

2.11.1.2 AC surge voltage at 90° (A.3.4.1) (cont'd)

Remarks:

RESULT: **PASS** ☐ **FAIL** ☐

2.11 Electrical surges (A.3.4)
2.11.1 Surges on AC mains
2.11.1.3 AC surge voltage at 180° (A.3.4.1)

Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device:	Connected		Not connected but connectable		Not connected	
Correct indication of ancillary device		(yes/no)				
Conveyor speed (m/min):	Minimum		Maximum		Other	

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

2.11.1.3 AC surge voltage at 180° (A.3.4.1) (cont'd)

Instrument

Connection	Mode	Results						
Test conditions		Indication			SF*	SF*	Result	Comment
		L	*W*	*H*	Y/N	Y/N	Pass/Fail	
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							
Positive	L-PE							
Negative	L-PE							
Positive	L2-PE							
Negative	L2-PE							

2.11.1.3 AC surge voltage at 180° (A.3.4.1) (cont'd)

Ancillary devices

Connection	Mode	Results						
Test conditions		Indication			SF* Y/N	SF* Y/N	Result Pass/Fail	Comment
		L	*W*	*H*				
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							
Positive	L-PE							
Negative	L-PE							
Positive	L2-PE							
Negative	L2-PE							

Notes:
1. SF* - significant fault detected and acted upon
2. L-L - Line to Line surge
3. N-PE - Neutral to Protective Earth surge
4. L-E - Line to Protective Earth surge
5. L2-E - Line2 to Protective Earth surge

2.11.1.3 AC surge voltage at 180° (A.3.4.1) (cont'd)

Remarks:

RESULT: **PASS** ☐ **FAIL** ☐

2.11 Electrical surges (A.3.4)
2.11.1 Surges on AC mains
2.11.1.4 AC surge voltage at 270° (A.3.4.1)

Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device:	Connected		Not connected but connectable		Not connected	
Correct indication of ancillary device		(yes/no)				
Conveyor speed (m/min):	Minimum		Maximum		Other	

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

2.11.1.4 AC surge voltage at 270° (A.3.4.1) (cont'd)

Instrument

Connection	Mode	Results						
Test conditions		Indication			SF*	SF*	Result	Comment
		L	*W*	*H*	Y/N	Y/N	Pass/Fail	
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							
Positive	L-PE							
Negative	L-PE							
Positive	L2-PE							
Negative	L2-PE							

2.11.1.4 AC surge voltage at 270° (A.3.4.1) (cont'd)

Ancillary devices

Connection	Mode	Results						
Test conditions		Indication			SF* Y/N	SF* Y/N	Result Pass/Fail	Comment
		L	*W*	*H*				
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							
Positive	L-PE							
Negative	L-PE							
Positive	L2-PE							
Negative	L2-PE							

Notes:
1. SF* - significant fault detected and acted upon
2. L-L - Line to Line surge
3. N-PE - Neutral to Protective Earth surge
4. L-E - Line to Protective Earth surge
5. L2-E - Line2 to Protective Earth surge

2.11.1.4 AC surge voltage at 270° (A.3.4.1) (cont'd)

Remarks:

RESULT: **PASS** ☐ **FAIL** ☐

2.11 Electrical surges (A.3.4)
2.11.2 Surges on signal, data and control lines (A.3.4.2)

Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

Instrument

Connection	Mode	Results						
Test conditions		Indication			SF*	SF*	Result	Comment
		L	*W*	*H*	Y/N	Y/N	Pass/Fail	
No surge (reference condition)								
Positive	L-L							
Negative	L-L							
Positive	N-PE							
Negative	N-PE							

2.11.2 Surges on signal, data and control lines (A.3.4.2) (cont'd)

Notes:	1. SF* - significant fault detected and acted upon
	2. L-L - Line to Line surge
	3. L-E - Line to Earth surge

Remarks

RESULT: PASS ☐ FAIL ☐

2.12 Immunity to RF electromagnetic fields (A.3.5)

2.12.1 Radiated RF electromagnetic fields (A.3.5.1)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Rate of sweep: [ ]

Test object ID		Length=		Width=		Height=		Initial zeroing		yes
		unit=		unit=		unit=		(Ready condition)		no

Disturbance				Results						
Antenna	Frequency range	Antenna polarisation	Facing EUT	Indication *L*	Indication *W*	Indication *H*	SF*	SF*	Result	Comment
							Y/N	Y/N	Pass/Fail	
Without disturbance										
		Vertical	Front							
			Right							
			Left							
			Rear							
Without disturbance										
		Horizontal	Front							
			Right							
			Left							
			Rear							

Notes: 1. SF* - significant fault detected and acted upon

2.12.1 Radiated RF electromagnetic fields (A.3.5.1) (cont'd)

Frequency range: 26 MHz to 2000 MHz
Field strength: 10 V/m
Modulation: 80 % Am, 1 KHz sine wave

Remarks:

RESULT: **PASS** ☐ **FAIL** ☐

2.12 Immunity to RF electromagnetic fields (A.3.5)

2.12.1 Radiated RF electromagnetic fields (A.3.5.1) (cont'd)

1. Description of the setup of the EUT, e.g. by photos, sketches, etc.

2. Additional remarks

2.12 Immunity to RF electromagnetic fields (A.3.5)
2.12.2 Conducted RF electromagnetic fields (A.3.5.2)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Nominal voltage (V)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Rate of sweep: [ ]

Test object ID		Length=		Width=		Height=	
		unit=		unit=		unit=	

Initial zeroing (Ready condition) [ ] yes [ ] no

Disturbance	Results							
Frequency MHz	Observed fault during exposure	Indication			SF*	SF*	Result	Comment
		L	*W*	*H*				
Without disturbance					Y/N	Y/N	Pass/Fail	

Notes: 1. SF* - significant fault detected and acted upon

2.12.2 Conducted RF electromagnetic fields (A.3.5.2) (cont'd)

Frequency range: 0.15 MHz to 80 MHz
Field strength: 10 V/m
Modulation: 80 % Am, 1 KHz sine wave

Remarks:

RESULT: **PASS** ☐ **FAIL** ☐

2.13 Ambient light (A.4.1)

2.13.1 Reference conditions 200 lx to 500 lx (A.4.1)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Light (lx)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (yes/no)	*L* (units)	*ΔL*	*W* (units)	*ΔW*	*H* (units)	*ΔH*	mpe	Pass/Fail
1									
2									
3									
4									
5									

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.13 Ambient light (A.4.1)

2.13.2 Ambient light 100 lx (A.4.1)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Light (lx)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (yes/no)	*L* (units)	*ΔL*	*W* (units)	*ΔW*	*H* (units)	*ΔH*	mpe	Pass/Fail
1									
2									
3									
4									
5									

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.13 Ambient light (A.4.1)

2.13.3 Ambient light 1000 lx to 1500 lx (A.4.1)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Light (lx)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (yes/no)	*L* (units)	*ΔL*	*W* (units)	*ΔW*	*H* (units)	*ΔH*	mpe	Pass/Fail
1									
2									
3									
4									
5									

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.13 Ambient light (A.4.1)

2.13.4 Ambient light, other lx (A.4.1)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Light (lx)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (yes/no)	*L* (units)	*ΔL*	*W* (units)	*ΔW*	*H* (units)	*ΔH*	mpe	Pass/Fail
1									
2									
3									
4									
5									

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.13 Ambient light (A.4.1)

2.13.5 Additional sheet (A.4.1)

1. Description of the setup of the EUT, e.g. photos or sketches

2. Additional remarks

2.14 Acoustics (A.4.2)

2.14.1 Reference sound level (dB) (A.4.2)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Sound (dB)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (yes/no)	*L* (units)	*ΔL*	*W* (units)	*ΔW*	*H* (units)	*ΔH*	mpe	Pass/Fail
1									
2									
3									
4									
5									

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.14 Acoustics (A.4.2)

2.14.2 100 dB sound level (dB) (A.4.2)

Observer: .....

Type/application no.: .....

Instrument ID: .....

Scale interval (d): .....

Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Sound (dB)		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID	Length (units)	Width (units)	Height (units)
1			
2			
3			
4			
5			

Test object ID	Initial zeroing (yes/no)	*L* (units)	*ΔL*	*W* (units)	*ΔW*	*H* (units)	*ΔH*	mpe	Pass/Fail
1									
2									
3									
4									
5									

Remarks

RESULT: **PASS** [ ] **FAIL** [ ]

2.14 Acoustic test (A.4.2)

2.14.3 Additional sheet

1. Description of the setup of the EUT, e.g. photos or sketches

2. Additional remarks

2.15 Shape of the object (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID [ ]	Length =		Width =		Height =		Initial zeroing	[ ] yes
	unit =		unit =		unit =		(Ready condition)	[ ] no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID [ ]	Length =		Width =		Height =		Initial zeroing	[ ] yes
	unit =		unit =		unit =		(Ready condition)	[ ] no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.15 Shape of the object (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.15 Shape of the object (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.16 Uniform surface colour (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.16 Uniform surface colour (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.16 Uniform surface colour (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.17 Non uniform surface colour (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.17 Non uniform surface colour (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.17 Non uniform surface colour (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.18 Contrast of colour with background colour (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.18 Contrast of colour with background colour (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.18 Contrast of colour with background colour (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.19 Surface reflectivity and absorption of sound (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.19 Surface reflectivity and absorption of sound (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.19 Surface reflectivity and absorption of sound (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.20 Surface reflectivity and absorption of light (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.20 Surface reflectivity and absorption of light (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.20 Surface reflectivity and absorption of light (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.21 Uniformity of density (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.21 Uniformity of density (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.21 Uniformity of density (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.22 Transparency (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.22 Transparency (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.22 Transparency (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.23 Surface roughness (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.23 Surface roughness (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.23 Surface roughness (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.24 Protrusions on surface (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.24 Protrusions on surface (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.24 Protrusions on surface (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.25 Orientation and position (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.25 Orientation and position (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.25 Orientation and position (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.26 Test for speed of relative movement (A.1.6)
2.26.1 Minimum speed (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.26.1 Minimum speed (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.26.1 Minimum speed (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.26 Test for speed of relative movement (A.1.6)
2.26.2 Maximum speed (A.1.6)

Observer: .....
Type/application no.: .....
Instrument ID: .....
Scale interval (d): .....
Conversion factor (F): .....

	At start	At end
Temp (ºC)		
RH (%)		
Time		
Date		

Ancillary device: Connected [ ] Not connected but connectable [ ] Not connected [ ]

Correct indication of ancillary device [ ] (yes/no)

Conveyor speed (m/min): Minimum [ ] Maximum [ ] Other [ ]

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	ΔH	mpe	Pass/Fail
1								
2								
3								

2.26.2 Maximum speed (A.1.6) (cont'd)

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

Test object ID		Length =		Width =		Height =		Initial zeroing		yes
		unit =		unit =		unit =		(Ready condition)		no

Run (units)	*L*	*ΔL*	*W*	*ΔW*	*H*	*ΔH*	mpe	Pass/Fail
1								
2								
3								

2.26.2 Maximum speed (A.1.6) (cont'd)

Remarks

RESULT: **PASS** ☐ **FAIL** ☐

2.27 Examination of the construction of instrument (R 126-1, 5.1.2)

Use this page to indicate any description or information pertaining to the instrument, additional to that already contained in this report and in the accompanying certificate of approval or OIML certificate.
This may include a pictures of the complete instrument, a description of its main components and any remark which could be useful for initial or subsequent verisifications of individual instruments built according to the pattern. It may also include references to the manufacturer's description.

RESULT:	**PASS**		**FAIL**	