



OIML Certificate

OIML Member State
The Netherlands

Number R129/2020-A-NL1-24.03 revision 0
Project number 3757198
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Issuing authority

NMi Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and
Manufacturer

Metrilus GmbH
Gräfenberger Str. 32
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Germany

Identification of the
certified type

A **Multi-Dimensional Measuring instrument**
Type : MetriXFreight L135
MetriXFreight L235
MetriXFreight L635

Characteristics

See next page

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 129-1:2020

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
19 April 2024

Certification Board

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The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon on top of the electronic version of this certificate.



The conformity was established by the results of tests and examinations provided in the associated reports:

- No. NMI-3519261-01 dated 09 December 2022 that includes 54 pages;
- No. NMI-3519261-02 dated 09 December 2022 that includes 13 pages;
- No. NMI-3519261-03 dated 09 December 2022 that includes 41 pages;
- No. NMI-3622931-01 dated 19 January 2023 that includes 11 pages;
- No. NMI-3622931-02 dated 19 January 2023 that includes 11 pages;
- No. NMI-3757198-01 dated 19 April 2024 that includes 11 pages.

Characteristics of the multi-dimensional measuring instrument

Characteristics valid for all versions:

Principle of operation	reflection of light	
Measuring range	single interval	
Electromagnetic environment class	E2	
Mechanical environment class	M1	
Climatic environment	temperature range	-10 °C / +55 °C
	humidity	non-condensing
	intended location	closed
Power supply voltage	24 V DC	
Method of operation	automatic	
Software identification	Version number 2.x.y (x, y = 0... 999, and represent the non-legally relevant part of the software) Checksums: 7378 D9AF 78B5 8803 FCBF 08D0 8296 920E or 6E5D ECC3 E6BE A7AD 9080 9DA8 A028 4B14	

The software version is displayed continuously in the bottom left corner of the measurement screen. The checksum can be seen on the digital nameplate, which can be displayed by pressing the F6-key of a connected keyboard.

Characteristics valid for 1-sensor version (L135):

Maximum dimension	Length	Width	Height
		max ≤ 1500 mm	max ≤ 1200 mm
Minimum dimension	min ≥ 100 mm	min ≥ 100 mm	min ≥ 50 mm
Scale interval d	d ≥ 10 mm	d ≥ 10 mm	d ≥ 5 mm
Limitations of use	For dimensioning of singulated objects. Only rectangular objects can be measured. Transparent packaging is not included in the measurement.		

Characteristics valid for 2-sensor version (L235) and 6-sensor version (L635):

	Length	Width	Height
Maximum dimension	max ≤ 2600 mm (L235) max ≤ 6500 mm (L635)	max ≤ 2600 mm	max ≤ 2600 mm
Minimum dimension	min ≥ 200 mm	min ≥ 200 mm	min ≥ 100 mm
Scale interval d	d ≥ 20 mm	d ≥ 20 mm	d ≥ 10 mm
Limitations of use	For dimensioning of rectangular shaped objects, and static palletized irregular shaped freight. Transparent packaging is not included in the measurement.		
Minimum spacing between adjacent objects	spacing ≥ 100 mm		

Revision History

Revision	Date	Change(s)
0	19 April 2024	Initial issue