

OIML Member State
The Netherlands

Number R129/2000-A-NL1-24.04 revision 1
Project number 3927200
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Issuing authority

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

Applicant and
Manufacturer

Rice Lake Weighing Systems
230 West Coleman St.
Rice Lake, WI 54868
United States of America

Identification of the
certified type

A **Multi-Dimensional Measuring instrument**
Type : iDimension LTL
iDimension LTL-XL
iDimension PWD
iDimension Flex

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 129:2000

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
24 March 2025

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

- No. NMI-2565570-01 dated 2 July 2024 that includes 50 pages;
- No. NMI-2565570-02 dated 2 July 2024 that includes 20 pages;
- No. NMI-3927200-01 dated 24 March 2025 that includes 10 pages.

Characteristics of the multi-dimensional measuring instrument

Principle of operation	Drop and clear ^{1,3)}		
	Length	Width	Height
Maximum dimension	max ≤ 360 cm	max ≤ 240 cm	max ≤ 240 cm
Minimum dimension	min ≥ 20 cm	min ≥ 20 cm	min ≥ 20 cm
Scale interval d	d ≥ 2 cm	d ≥ 2 cm	d ≥ 2 cm

Principle of operation	Stop and go ^{2,3)}		
	Length	Width	Height
Maximum dimension	max ≤ 180 cm	max ≤ 180 cm	max ≤ 210 cm
Minimum dimension	min ≥ 30 cm	min ≥ 30 cm	min ≥ 30 cm
Scale interval d	d ≥ 2 cm	d ≥ 2 cm	d ≥ 2 cm

Remarks:

- 1) With this setting the object is measured on the floor in the field of measurement
- 2) With this setting the object is measured while being lifted by the forklift. The pallet must be lifted with 5 to 30 cm from the floor. The pallets dimensions are included in the measurement.
- 3) The multi-dimensional measuring instrument detects automatically the principle of operation.

Principle of measurement		reflection of light
Measuring range		Single interval
Electromagnetic environment class		E2
Mechanical environment class		M1
Climatic environment	temperature range	-10 °C / +40 °C
	humidity	non-condensing
	intended location	Closed
Power supply voltage		100 – 240 V AC 50/60 Hz
Method of operation		semi-automatic or automatic
Limitations of use	All principles	Objects with reflective surface
	Stop & go function	Objects can only be measured correctly when the lowest part of the object or transport material (e.g., pallet) is lower than the forks of the forklift.
Minimum spacing between successive objects		spacing \geq 35 cm (multiple objects simultaneously in the measurement area)
Software identification	Version number	6.1.r.b ("r" is for bug fixes, minor updates and updates to the non-legally relevant software. "b" is a numeric build number assigned at the software build time)

The software identification is displayed after pressing the *i* (information) key in the main screen.

Revision History

This revision replaces the previous version.

Revision	Date	Changes
0	2024-07-02	Initial issue.
1	2025-03-24	Lowering the minimum dimensions for the stop & go principle of operation and adding associated limitation of use.