

OIML Member State
The Netherlands

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Project number 3990121
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Issuing authority

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

Applicant

Mettler-Toledo GmbH
Im Langacher 44
CH-8606 Greifensee
Switzerland

Manufacturer

Mettler-Toledo (Changzhou) Measurement Technology Ltd.
No.111, West TaiHu Road
No.22, Zhengqiang Road
Changzhou, Jiangsu, 213125
China

Identification of the certified type

An **Indicator** or **Terminal**
Type : IND590

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 76-1:2006 for accuracy class **II** or **III** or **III**

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
23 April 2026

Certification Board

NMi Certin B.V.
Thijssseweg 11
2629 JA Delft
the Netherlands
T +31 88 636 2332
certin@nmi.nl
www.nmi.nl

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

- No. NMI-3990121-01 dated 23 April 2026 that includes 42 pages;
- No. NMI-3990121-02 dated 23 April 2026 that includes 24 pages;
- No. NMI-3990121-03 dated 23 April 2026 that includes 17 pages;
- No. NMI-3990121-04 dated 23 April 2026 that includes 13 pages;
- No. NMI-3990121-05 dated 23 April 2026 that includes 18 pages.

Characteristics of the indicator or terminal:

Configuration	Analog load cells	Digital load cells or weighing module
Accuracy class	III or IIII	II or III or IIII
Weighing ranges	Single interval Multi-interval Multiple range	Single interval Multi-interval Multiple range
Maximum number of scale intervals (one weighing range)	$n \leq 10000$	$n \leq 100000$
Maximum number of scale intervals (multi-interval or multiple range)	$n \leq 10000$ divisions (per (partial) weighing range)	$n \leq 100000$ (per (partial) weighing range)
Maximum number of (partial) weighing ranges	3	3
Load cell excitation voltage	5 V DC	-
Load cell power supply voltage	-	12 V DC provided by IND590 or 24 V DC by external power supply
Minimum signal input voltage	$U_{\min} = 0$ mV	-
Minimum input voltage per verification scale interval	0,3 μ V	-
Minimum load cell resistance	43,75 Ω	-
Maximum load cell resistance	3300 Ω	-
Fraction of the maximum permissible error	0,5	0
Load cell interface	6-wire with sense technology, may be configured as 4-wire	-

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Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells		2782,3 m/mm ² In case sense technology is not used the load cells are connected directly without junction box or extension cable	-
Maximum number of load platforms		4	
Climatic environment	temperature range	-10 °C / +40 °C	
	humidity	Non-condensing	
	intended location	Closed	
Electromagnetic environment class		E2	
Power supply voltage		100 - 240 V AC 50/60 Hz, or 24 V DC	

Software Module	Version	Remarks
System Firmware	1.ss.yy.zzzz	Mandatory to be present
DIN Display	1.ss.yy.zzzz	Only applicable for the DIN version
POWERCELL Option Firmware	1.ss.yy.zzzz	Only applicable when equipped with the POWERCELL board

Note: s, y and z can be any number from 0...9 and represent the non-legally relevant software.

The software identification for the Panel and Harsh versions can be accessed by pressing the following key sequence:

- Press the navigation key "Down" in the home page, followed by "Info", followed by "Metrology". The version number will show up in the "Terminal" section.

The software identification for the DIN version can be accessed by pressing the following key sequence:

- Press the physical "Settings" key, followed by selecting "Info", followed by "Metrology" in the display. The version number will show up in the "Terminal" section.

Revision History

Revision	Date	Change(s)
0	2026-04-23	Initial issue