OIML Certificate

OIML Member State
The Netherlands

Number R76/2006-A-NL1-21.39 revision 2
Project number 3910080

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Mettler-Toledo GmbH Im Langacher 44 CH-8606 Greifensee Switzerland
Identification of the certified type	An **Indicator** or **Terminal** Type : IND500x
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 (IIII)

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.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
1 September 2025

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated reports:
- No. NMi-2657878-01 dated 24 December 2021 that includes 50 pages;
- No. NMi-2657878-02 dated 24 December 2021 that includes 13 pages;
- No. NMi-3910080-01 dated 1 September 2025 that includes 22 pages.

Characteristics of the indicator/ terminal:

		Analog load cells	Digital load cells
Accuracy class OIML R 76		(III) or (IIII)	(II) or (III) or (IIII)
Weighing ranges		Single interval Multi-interval Multiple range	
Maximum number of scale intervals		n ≤ 10000	n ≤ 100000
Load cell excitation voltage		4,8 V DC	-
Load cell power supply		-	8,2 / 12 V DC
Minimum signal input voltage		U_{min} = 0 mV	-
Minimum input voltage per verification scale interval		0,3 µV	-
Minimum load cell resistance		80 Ω	-
Maximum load cell resistance		3000 Ω	-
Fraction of the maximum permissible error		0,5	0
Load cell interface		6-wire with sense technology, may be configured as 4-wire	-
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells		4487 m/mm^2	-
Maximum number of load platforms		1	
Climatic environment	temperature range	-10 °C / +40 °C	
	humidity	non-condensing	
	intended location	Closed	
Electromagnetic environment class		E2	
Power supply voltage		5,6 V, 8,2 V and 12,6 V DC through AC/DC power supply	

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Software identification:

Description	Version	Remarks
Standard	1.xx.yyyy	For analog, IDNet and SICSpro scale types
Standard	2.xx.yyyy	Source code of LFT relevant files is optimized & modified but without changing the behaviour of legally relevant functions

(xx is a number between 00 and 99 representing major updates of the non-legally relevant part of the software and yyyy is a number between 0000 and 9999 and represents minor updates of the non-legally relevant part of the software)

Software:
- The identification number will be displayed after pressing the key sequence:
  - Information recall " ";
  - Metrology recall " ".

Revision History

This revision replaces the previous versions.

Revision	Date	Change(s)
0	2021-12-24	Initial issue.
1	2024-02-15	Adding software version 2.xx.yyyy
2	2025-09-01	Addition of a report for the panel version