

OIML Member State
The Netherlands

Number R76/2006-A-NL1-20.27 revision 2
Project number 3730392
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Issuing authority

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

Applicant and
Manufacturer

Mettler Toledo GmbH
Im Langacher 44
8606 Greifensee
Switzerland

Identification of the
certified type

An **Indicator or Terminal**
Type : IND570

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
17 October 2023

Certification Board

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

- No. NMI-13200606-01 dated 17 April 2014 that includes 53 pages;
- No. NMI-13200606-02 dated 17 April 2014 that includes 17 pages;
- No. NMI-13200606-03 dated 9 October 2015 that includes 9 pages;
- No. NMI-13200606-04 dated 9 October 2015 that includes 13 pages;
- No. NMI-13200606-05 dated 9 October 2015 that includes 10 pages;
- No. NMI-15200584-01 dated 16 June 2016 that includes 24 pages;
- No. NMI-2372754-01 dated 12 December 2019 that includes 9 pages;
- No. NMI-2395635-01 revision 1 dated 17 September 2020 that includes 20 pages.

Characteristics of the indicator:

Configuration	Analog load cells	Analog load cells with ISB	Digital load cells or weighing modules
Accuracy class	OIML R 76	Ⓜ or ⓂⓂ	Ⓜ, ⓂⓂ or ⓂⓂⓂ
	OIML R 51	Y(a) or Y(b) XIII(x) or XIII(x)	Y(II), Y(a) or Y(b) XII(x), XIII(x) or XIII(x)
	OIML R 61	Ref (0,2)	
Maximum number of verification scale intervals	10000		-
Load cell excitation voltage	10 V DC	2,5 V DC	-
Load cell power supply voltage	-		12 V or 24 V DC
Minimum input voltage per verification scale interval	0,3 μV	0,22 μV	-
Minimum load cell resistance	29 Ω	87 Ω	-
Maximum load cell resistance	1236 Ω	3150 Ω	-
Fraction of the maximum permissible error	0,5		0
Load cell connection	6-wire		-
Maximum value of the cable length per cross wire section between the instrument and the junction box or load cells	482 m/mm ²	395 m/mm ²	-
Weighing range(s)	Single interval Multi-interval Multiple range		
Climatic environment	temperature range	-10 °C / +40 °C	+5 °C / +40 °C
	humidity	Non-condensing	
	intended location	Closed	

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Electromagnetic environment class	E2
Power supply voltage	100 – 240 V AC 50/60 Hz 24 V DC
Application	Intended to be used for direct sales to the public

Software identification:

Description	Version	Remarks
Standard	1.xx.yyyy 2.xx.yyyy 3.xx.yyyy 4.xx.yyyy	For analog ⁽¹⁾ , IDNet and SICSprou scale types.
Standard	1.xx.yyyy 2.xx.yyyy 3.xx.yyyy 4.xx.yyyy	For POWERCELL ⁽¹⁾ scale types.
Fill-570	1.xx.yyyy	Only for automatic gravimetric filling instruments, but not mandatory
Motion-570	2.xx.yyyy	Only for catchweighing instruments weighing dynamically during automatic operation.
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		
Remark: (1) These types of scales support the hysteresis compensation function.		

Revision History

This revision replaces the previous version.

Revision	Date	Change(s)
0	2020-06-29	Initial issue.
1	2022-10-31	Adding hysteresis compensation function and new Profibus option board.
2	2023-10-17	Add new software version 4.xx.yyyy