





OIML Member State

The Netherlands

Number R76/2006-A-NL1-20.70 revision 4 Project number 3595235 Page 1 of 4

IND360

Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

Applicant and Mettler-Toledo GmbH Manufacturer Im Langacher 44 CH-8606 Greifensee

Switzerland

Identification of the

certified type

An Indicator / Terminal

Type

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):

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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NMi Certin B.V., OIML Issuing Authority NL1



Issuing Authority

30 March 2023 **Certification Board**

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OIML Member State

The Netherlands



Number R76/2006-A-NL1-20.70 revision 4

OIML Certificate

Project number 3595235

Page 2 of 4

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

- No. NMi-2493052-01 revision 1 dated 1 March 2021 that includes 56 pages;
- No. NMi-2493052-02 revision 1 dated 1 March 2021 that includes 15 pages;
- No. NMi-2493052-03 revision 1 dated 1 March 2021 that includes 21 pages;
- No. NMi-2493052-04 revision 1 dated 1 March 2021 that includes 20 pages;
- No. NMi-2659880-01 dated 27 October 2021 that includes 24 pages;
- No. NMi-3595235-01 dated 28 March 2023 that includes 19 pages.

Characteristics of the indicator / terminal:

		Digital load cells or Weighin		g modules	
		CANbus interface	SICSPro interface		
Accuracy class	OIML R 76	(III) or	(1), (11), (111) or (111)		
OIML R 51		Y(a) or Y(b) XIII(x) or XIIII(2)		Y(I), Y(II), Y(a) or Y(b) XI(x), XII(x), XIII(x) or XIIII(2)	
OIML R 61		Ref(0,2)			
Weighing range(s)	+)	Single interval	Single interval Multi-interval	Single interval Multi-interval Multiple range	
Maximum number of scale intervals (one weighing range)		n ≤ 10000 divisions		n ≤ 1000000 divisions	
Maximum number of scale intervals (multi-interval or multiple range)		-	n ≤ 10000 divisions (per (partial) weighing range)	n ≤ 100000 divisions (per (partial) weighing range)	
Maximum number of weighing ranges		1	+	3	
Load cell power supply		12 V DC			
Fraction of the maximum permissible error		0			
Temperature range		-10 °C / +40 °C			
Climatic environment	humidity	non-condensing			
	intended location	Closed			
Electromagnetic environment class		E2			
Power supply voltage		100 – 240 V AC 50/60 Hz (only for Harsh version), 20 - 28 V DC (for all versions) (not suitable for a road vehicle power supply)			









OIML Certificate

Number R76/2006-A-NL1-20.70 revision 4 Project number 3595235 Page 3 of 4

			Analog load cells with ISB				
Accuracy class OIML R 76		Or (III)					
OIML R 51		Y(a) or Y(b) XIII(x) or XIIII(2)					
OIML R 61		Ref(0,2)					
Weighing range(s)		Single interval					
Maximum number of scale intervals		$n \le 10000$ divisions	n ≤ 10000 divisions				
Minimum signal input voltage		U _{min} = 0 mV	U _{min} = 0 mV				
Minimum input voltage per verification scale interval		0,3 μV	0,25 μV				
Load cell excitation vo	Load cell excitation voltage		1,5 V DC	2,3 V DC	3,9 V DC		
Minimum load cell resistance		43 Ω	43 Ω	87 Ω	350 Ω		
Maximum load cell resistance		1245 Ω					
Fraction of the maximum permissible error		0,5					
Load cell connection		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		1571 m/mm² In case sense technology is not used the load cells are connected directly without junction box or extension cable					
Temperature range	Temperature range		-10 °C / +40 °C				
Climatic environment	humidity	non-condensing					
	intended location	Closed					
Electromagnetic environment class		E2					
Power supply voltage		100 – 240 V AC 50/60 Hz (only for Harsh version), 20 - 28 V DC (for all versions) (not suitable for a road vehicle power supply)					











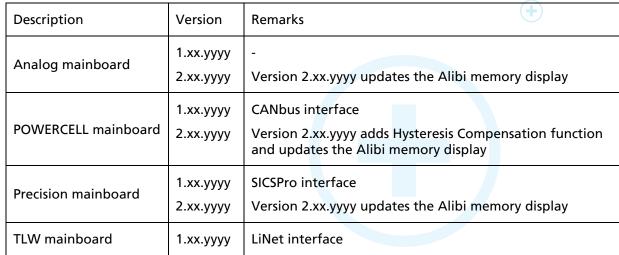
OIML Member State The Netherlands



Number R76/2006-A-NL1-20.70 revision 4 Project number 3595235 Page 4 of 4

OIML Certificate

Software identification:



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



Revision History

This revision replaces the previous versions.

Revision	Date	Changes
0	2020-12-24	Initial issue
1	2021-03-02	Type evaluation reports revised because of editorial changes
2	2021-09-15	Editorial change to include DC power supply voltage for all versions
3	2021-10-29	Adding optional ISB (Intrinsic safety barrier)
4	2023-03-30	Adding LiNet interface for TLW version and adding hysteresis compensation function for POWERCELL version.
		Adding software version for the update of the Alibi memory display on the DIN, Panel and Harsh versions.