OIML Certificate

OIML Member State
The Netherlands

Number R76/2006-A-NL1-20.69 Revision 4
Project number 2659880

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	METTLER-TOLEDO Changzhou Measurement Technology Ltd. No.111, West TaiHu Road, Changzhou, Jiangsu, 213125 China
Identification of the certified type	**Indicator / Terminal** Type : IND360
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 - Edition 2006 for accuracy class (I) or (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
29 October 2021

Certification Board

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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.

Characteristics of the indicator / terminal:

		Digital load cells or Weighing modules	
		CANbus interface	SICSPro interface
Accuracy class	OIML R 76	(III) or (IIII)	(I), (II), (III) or (IIII)
	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 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 ≤ 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)	

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		Analog load cells	Analog load cells with ISB		
Accuracy class	OIML R 76	(III) or (IIII)			
	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 ≤ 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 voltage		5 V DC	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 (remote sensing)			
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells		1571 m/mm^2			
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)			

Software identification:

Description	Version	Remarks
Analog mainboard	1.xx.yyyy	-
POWERCELL mainboard	1.xx.yyyy	CANbus interface
Precision mainboard	1.xx.yyyy	SICSPro interface

(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)

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Revision History

This revision replaces the previous versions.

Revision	Date	Changes
Initial	2020-12-24	Initial issue
1	2021-03-02	Type evaluation reports revised because of editorial changes
2	2021-03-04	Editorial change to correct maximum load cell resistance
3	2021-09-15	Editorial change to include DC power supply voltage for all versions
4	2021-10-29	Adding optional ISB (Intrinsic safety barrier)