



OIML Certificate

OIML Member State

The Netherlands



Number R76/2006-A-NL1-20.69 Revision 4 Project number 2659880 Page 1 of 4

NMi Certin B.V. Issuing authority

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):









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

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

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This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.





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

OIML Certificate

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.

Characteristics of the indicator / terminal:

		Digital load cells or Weighing modules		
		CANbus interface	SICSPro interface	
Accuracy class	OIML R 76	Or (III)	(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 Multiple range	
Maximum number of scale intervals (one weighing range)		n ≤ 10000 divisions	$n \le 1000000$ 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	humidity	non-condensing		
environment	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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OIML Member State The Netherlands



OIML Certificate

Number R76/2006-A-NL1-20.69 Revision 4 Project number 2659880 Page 3 of 4

		Analog load cells	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 ≤ 10000 divisions	n ≤ 10000 divisions		
Minimum signal input voltage		U _{min} = 0 mV		$U_{min} = 0 \text{ mV}$	1
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/mm²			
Temperature range		-10 °C / +40 °C			
Climatic	humidity	non-condensing			
environment	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:

3	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)





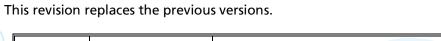


OIML Certificate



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

Revision History



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)









