





**OIML Member State** The Netherlands

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Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

Applicant and METTLER-TOLEDO Changzhou Measurement Technology Ltd.

Manufacturer No.111, West TaiHu Road, Changzhou, Jiangsu, 213125

China

Identification of the An Indicator / Terminal

certified type 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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1 30 March 2023



**Certification Board** 

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The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluations 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)				











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		Analog load cells	Analo	g load cells v	vith ISB		
Accuracy class	curacy class OIML R 76		(III) 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		$U_{min} = 0 \text{ mV}$	U <sub>min</sub> = 0 mV				
Minimum input voltage per verification scale interval		0,3 μV	0,25 μV				
Load cell excitation v	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 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		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)					











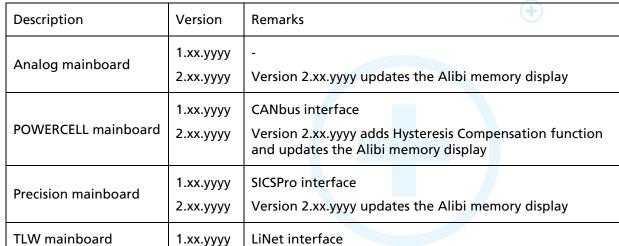
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## Software identification:



(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	2021-03-04	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)
5	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.