

**OIML Member State**  
The Netherlands

Number R76/2006-A-NL1-20.28  
Project number 2395635  
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Issuing authority NMI Certin B.V.  
Person responsible: M. Boudewijns

Applicant and Manufacturer Mettler-Toledo, LLC  
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Identification of the certified type An **Indicator** or **Digital Data Processing Device**  
Type : IND780

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 **II** or **III** or **III1**

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 June 2020

#### Certification Board

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The notification of NMI Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

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



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

- No. 511392A dated 20 April 2006 that includes 28 pages;
- No. 511392B dated 20 April 2006 that includes 25 pages;
- No. 511392C dated 20 April 2006 that includes 14 pages;
- No. 811639A dated 1 October 2009 that includes 14 pages;
- No. 811639B dated 1 October 2009 that includes 14 pages;
- No. 9200661A dated 8 February 2010 that includes 19 pages;
- No. 9200661B dated 8 February 2010 that includes 26 pages;
- No. NMI-11200258-01 dated 21 June 2011 that includes 16 pages;
- No. NMI-2395635-02 dated 29 June 2020 that includes 20 pages.

**Characteristics of the indicator / digital data processing device:**

Digital Data Processing Device and Indicator	
Weighing range(s), maximum 3	Single interval Multi-interval Multiple range
Power supply voltage	100 - 240 V AC 50/60 Hz
Maximum number of load platforms	4
Climatic environment	humidity intended location
	non-condensing Closed
Electromagnetic environment class	E2

Digital Data Processing Device	
Accuracy class	OIML R 76 OIML R 51 OIML R 61
	Ⓜ, ⓂⓂ and ⓂⓂⓂ Y(II), Y(a) or Y(b) XII(x), XIII(x) or XIII(x) Ref (0,2)
Fraction of the maximum permissible error	0
Maximum number of verification scale intervals	specified in the certificate(s) for the digital load cell(s) involved
Temperature range	-10 °C / +40 °C

		Indicator	
		without ISB	with ISB
Accuracy class	OIML R 76	III and IIII	
	OIML R 51	Y(a) or Y(b) XIII(x) or XIII(x)	
	OIML R 61	Ref (0,2)	
Fraction of the maximum permissible error	0,5		
Maximum number of verification scale intervals	$n \leq 10000$	$n \leq 6000$	
Load cell excitation voltage	10 V DC	2,5 V DC	5,7 V DC
Minimum input voltage per verification scale interval	0,6 $\mu$ V	0,55 $\mu$ V	
Minimum load cell impedance	44 $\Omega$	87 $\Omega$	350 $\Omega$
Maximum load cell impedance	1242 $\Omega$	3150 $\Omega$	
Load cell connection	6-wire (remote sensing)		
Maximum value of the cable length per cross wire section between indicator and junction box or load cells	No special cable length		
Temperature range	-10 $^{\circ}$ C / +40 $^{\circ}$ C	+5 $^{\circ}$ C / +40 $^{\circ}$ C	

Software identification	Version	Identification	Remarks
	1.xx.yy 2.xx.yy 3.xx.yy 4.xx.yy 5.xx.yy	MCN 1.xx	For non-automatic weighing instruments
	6.xx.yy	6.xx.yy	no MCN present
	7.xx.yy	7.xx.yy	no MCN present
	8.xx.yy	8.xx.yy	no MCN present
	9.xx.yy	9.xx.yy	Adds a recall of load cell firmware version
(xx is a number between 0 and 99) (yy is a number between 0 and 99)			