

OIML Member State
The Netherlands

Number R76/2006-NL1-16.64
Project number 15200276
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Mettler-Toledo AG Im Langacher 44 CH 8606 Greifensee Switzerland
Identification of the certified type	A weighing module Type : ..MBA....., ..MPD....., ..MMA.....
Characteristics	See next page

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**, **II** or **III**

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**
24 February 2017

C. Oosterman
Head Certification Board

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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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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. NMI-11200439-01 dated 8 March 2012 that includes 34 pages;
- No. NMI-11200439-02 dated 8 March 2012 that includes 24 pages;
- No. NMI-11200439-03 dated 8 March 2012 that includes 29 pages;
- No. NMI-11200439-04 dated 8 March 2012 that includes 20 pages;
- No. NMI-11200439-05 dated 8 March 2012 that includes 19 pages;
- No. NMI-11200439-06 dated 8 March 2012 that includes 7 pages;
- No. NMI-11200439-07 dated 8 March 2012 that includes 25 pages;
- No. NMI-SO14201172-01 dated 28 April 2014 that includes 29 pages;
- No. NMI-15200276-01 dated 23 February 2017 that includes 26 pages;
- No. NMI-15200276-02 dated 23 February 2017 that includes 17 pages.

Characteristics of the non-automatic weighing instrument:

Maximum capacity (E_{max})	800 g	8200 g	35,1 kg	320 g	12,2 kg
Fraction P_i	0,8		1,0		
Verification scale interval	$e \geq 0,01$ g			$e \geq 1$ mg	$e \geq 0,1$ g
Actual scale interval	$d \geq 0,001$ g			$d \geq 0,1$ mg	$d \geq 0,01$ g
Maximum number of scale intervals (per partial weighing range)	$n \leq 82000$ divisions	$n \leq 35100$ divisions	$n \leq 320000$ divisions	$n \leq 122000$ divisions	
Maximum partial weighing ranges	Depending on the configuration				
Temperature range	+10 °C / +30 °C	+5 °C / +40 °C	+10 °C / +30 °C		
Tare	$T \leq -100\%$ for single interval instruments $T \leq -Max_1$ for multi interval instruments				
Interface cable	UART serial interface USB interface				
	0,3 m (not shielded)		5,0 m (shielded)		
Software	Rainbow core (RB or rb)	1.9.7 to 2.3.6			
	Rainbow Weighing Package (WP or wp)	1.9.7 to 2.2.6 or 2.2.x			
	Rainbow Signal processing (SP, sp, DPS or dps)	1.70.x or 2.0.x			
		The identification is displayed on the primary indicating device $x=0..99$			