



# OIML Certificate

**OIML Member State**  
The Netherlands

Number R76/2006-A-NL1-21.09  
Project number 2585293  
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Issuing authority  
NMI Certin B.V.  
Person responsible: M. Boudewijns

Applicant and Manufacturer  
METTLER-TOLEDO (Changzhou) Measurement Technology Ltd.  
No.111, West Taihu Road,  
Xinbei district, Changzhou  
Jiangsu, 213125  
Peoples Republic of China

Identification of the certified type  
An **Indicator** Type  
: IND231  
IND236  
IND236-TLF

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 (III) 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**  
8 February 2021

## 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.

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 at the 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. NMI-13200101-01 dated 22 April 2013 that includes 49 pages;
- No. NMI-13200101-01 dated 22 April 2013 that includes 13 pages;
- No. NMI-14200515-01 dated 28 November 2014 that includes 12 pages;
- No. NMI-SO15202366-01 dated 26 February 2016 that includes 8 pages.
- No. NMI-2315156-01 dated 8 October 2020 that includes 28 pages.

### Characteristics of the indicator:

Accuracy class	(III) or (III)	
Weighing range(s)	Single interval Multiple range	
Configuration	Without tilt compensation	With tilt compensation
Maximum number of scale intervals	$n \leq 6000$	$n \leq 1500$
Maximum number of weighing ranges	2	
Load cell excitation voltage	5 V DC	
Minimum signal input voltage	$U_{\min} = 0 \text{ mV}$	$U_{\min} = 1 \text{ mV}$
Minimum input voltage per verification scale interval	$0,5 \mu\text{V}$	$3,33 \mu\text{V}$
Minimum load cell resistance	$87 \Omega$	$175 \Omega$
Maximum load cell resistance	$1200 \Omega$	
Fraction of the maximum permissible error	0,5	
Load cell connection	4-wire or 6-wire (remote sensing)	6-wire (remote sensing)
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells	No special cable length In case a 4-wire connection is used the load cells are connected directly without junction box	$17,3 \text{ m/mm}^2$
Temperature range	$-10 \text{ }^\circ\text{C} / +40 \text{ }^\circ\text{C}$	
Power supply voltage	100 – 240 V AC 50/60 Hz or internal rechargeable 7,2 V DC battery or 9 V DC battery or 12-36 V DC (only for IND236)	
Application	-	Intended to be used for on-board weighing
Software identification	Version number: 1.xx.xxxx (x = 0 ... 9)	