



# OIML Certificate of Conformity

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-12-43  
Project number 12200521  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Mettler-Toledo (ChangZhou) Precision Instruments Ltd. No. 5, Middle Huashan Road XinBei District, ChangZhou Jiangsu 213022 P.R. China
Manufacturer	Mettler-Toledo (ChangZhou) Precision Instruments Ltd. No. 5, Middle Huashan Road XinBei District, ChangZhou Jiangsu 213022 P.R. China
Identification of the certified type	A <b>bending beam load cell</b> , with strain gauges. Type : 0805
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 R60** - Edition 2000 (E) for accuracy class C

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**  
11 September 2012

C. Oosterman  
Head Certification Board

NMi Certin B.V.  
Hugo de Grootplein 1  
3314 EG Dordrecht  
the Netherlands  
T +31 78 6332332  
certin@nmi.nl  
www.nmi.nl

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)

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see [www.nmi.nl](http://www.nmi.nl)).





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

- Number R60/2000-NL-02.17A dated 17 June 2002, that includes 43 pages;
- Number R60/2000-NL-02.17B dated 6 June 2002, that includes 37 pages;
- Number R60/2000-NL1-04.19A dated 21 December 2004, that includes 43 pages;
- Number R60/2000-NL1-04.19A revision 1 dated 13 February 2012 that includes 31 pages;
- Number R60/2000-NL1-04.19B dated 21 December 2004, that includes 37 pages.

Maximum capacity ( $E_{\max}$ )	100 kg up to and including 1000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2 mV/V
Maximum number of load cell intervals (n)	6000
Ratio of minimum LC Verification interval $Y = E_{\max} / V_{\min}$	12500
Input impedance	$415 \Omega \pm 15 \Omega$
Humidity Class	SH
Safe overload	150% of $E_{\max}$
Output impedance	$350 \Omega \pm 3 \Omega$
Recommended excitation	10 V DC/AC
Excitation maximum	15 V DC/AC
Transducer material	Aluminum
Atmospheric protection	Potted

The characteristics for  $n_{\max}$  and Y can be reduced separately. Z is proportional or equal to  $n_{\max}$ .

Each produced load cell is provided with an accompanying document with information about its characteristics.