

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-16.12  
Project number 15200615  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Mettler-Toledo GmbH Im Langacher 44 8606 Greifensee Switzerland
Identification of the certified type	A <b>compression load cell</b> , with strain gauges, equipped with electronics, Type : MTX
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**  
19 April 2016



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.

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):

- No. 10093235 dated 23 November 1998 that includes 53 pages;
- No. R60/2000-NL-00.03 dated 7 January 1999 that includes 53 pages;
- No. NMI-15200615-02 dated 8 April 2016 that includes 15 pages.

**Characteristics of the load cell:**

Maximum capacity ( $E_{max}$ )	25 t	45 t	90 t
Minimum dead load	90 kg		
Accuracy Class	C		
Maximum number of load cell intervals (n)	6000	4000	4000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	20000	11250	14000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	6000	4000	4000
Temperature range	-10 °C / +40 °C		
Fraction $p_{LC}$	0,8		
Humidity Class	CH		
Safe overload	150 % of $E_{max}$		
Recommended excitation	7,5 - 30 V DC		
Excitation maximum	30 V DC		
Transducer material	Stainless steel		
Atmospheric protection	Hermetically welded		
Number of counts for $E_{max}$	111111 for 25 t and 100000 for 22,5 t	100000	
Software identification	Version number: #A159401		

The characteristics for  $n_{max}$  and Y can be reduced separately.

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