

OIML Member State
The Netherlands

Number R60/2000-NL1-16.14 revision 1
Project number 16200123
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Mettler-Toledo (Changzhou) Precision Instruments Ltd. No.5, Middle Huashan Road, Xinbei District, Changzhou Jiangsu 213022 Peoples Republic of China
Identification of the certified type	A compression load cell , with strain gauges, equipped with electronics, Type : SLC820...
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.

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Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
12 May 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

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).



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

- No. R60/2000-NL1-09.08 dated 11 June 2009 that includes 53 pages;
- No. NMI-15200551-01 dated 15 April 2016 that includes 15 pages;
- No. NMI-16200123-01 revision 1 dated 12 May 2016 that includes 46 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	20 t up to and including 90 t	100 t up to and including 500 t
Minimum dead load	50 kg	50 kg
Accuracy Class	C	
Maximum number of load cell intervals (n)	6000	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	25000	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	6000	3000
Temperature range	-10 °C / +40 °C	
Fraction p_{LC}	0,8	
Humidity Class	CH	
Safe overload	200 % of E_{max}	150 % of E_{max}
Recommended excitation	7,5 - 24 V DC	
Excitation maximum	24 V DC	
Transducer material	Stainless steel	
Atmospheric protection	Hermetically welded	
Number of counts for E_{max}	$\geq Y * 5 / p_{LC}$	
Software identification	As described in TC8039	

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.



OIML Certificate of Conformity

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Revision History

This revision replaces the previous version(s).

Revision	Date	Change(s)
Initial	19 April 2016	-
1	12 May 2016	Corrected the manufacturers address