

OIML Member State
The Netherlands

Number R60/2000-A-NL1-19.07
Project number 2347521
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Mettler-Toledo (Changzhou) Precision Instruments Ltd. 22 ZhengQiang Road, ChangZhou JiangSu, 213125 P.R. China
Identification of the certified type	A compression load cell , with strain gauges, equipped with electronics, Type : SLC820...
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 60 - 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**
26 June 2019


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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	2.xx (where xx is a number between 00 and 99 representing updates of non-legally relevant part of the software)	

The software identification of the load cell can be retrieved through an interface, which does not have to be through a terminal.

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

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