



OIML Certificate

OIML Member State
The Netherlands

Number R60/2017-A-NL1-20.25
Project number 2504084
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Issuing authority

NMi Certin B.V.
Person responsible: M. Boudewijns

Applicant and
Manufacturer

METTLER-TOLEDO (Changzhou) Precision Instrument Ltd.
No.22 Zhengqiang Road
Changzhou, Jiangsu, 213125
P.R. CHINA

Identification of the
certified type

A **bending beam load cell**, with strain gauges.
Type : 0785

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 2017 (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
27 August 2020

Certification Board

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The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

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The conformity was established by the results of tests and examinations provided in the associated OIML Test Reports:

- Number R60/2000-NL-01.06A dated 15 February 2001, that includes 40 pages;
- Number R60/2000-NL-01.06B dated 15 February 2001, that includes 37 pages;
- Number R60/2000-NL1-04.15A dated 30 September 2004, that includes 40 pages;
- Number R60/2000-NL1-04.15B dated 30 September 2004, that includes 37 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E_{max})	10 kg up to and including 150 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2 mV/V
Maximum number of load cell intervals (n) ⁽¹⁾	7500
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	24000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	12000
Input impedance	415 $\Omega \pm 15 \Omega$
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
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	Aluminium
Atmospheric protection	potted

Remark:

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

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