



OIML Member State
The Netherlands

OIML Certificate

Number R60/2017-A-NL1-20.26 revision 1
Project number 2555505
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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.
Registered trade name : METTLER-TOLEDO (Changzhou)
Precision Instrument Ltd.
Type : 0795

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
19 March 2021

Certification Board

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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-NL-01.03 dated 19 January 2001, that includes 40 pages;
- No. NMI-2555505-01 dated 19 March 2021 that includes 16 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell		
Maximum capacity (E_{max})	100 kg up to and including 300 kg		
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2,0 mV/V \pm 0,2 mV/V		
Maximum number of load cell intervals (n) ⁽¹⁾	1000	3000	6000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	1700	23000	
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	12000		
Input impedance	415 Ω \pm 15 Ω		
Temperature range	-10 °C / +40 °C		
Fraction p_{LC}	0.7		
Humidity Class	CH		
Safe overload	150 % of E_{max}		
Output impedance	350 Ω \pm 3 Ω		
Recommended excitation	10 V DC/AC		
Excitation maximum	15 V DC/AC		
Transducer material	Aluminium		
Atmospheric protection	Potted		

Remarks:

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.



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Revision History

This revision replaces the previous version(s).

Revision	Date	Change(s)
0	2020-08-27	Initial issue.
1	2021-03-19	The Y value increased to 23000