



OIML Certificate

OIML Member State
The Netherlands

Number R60/2021-A-NL1-24.08 revision 0
Project number 3752802
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Issuing authority

NMi Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant

Mettler-Toledo GmbH
Im Langacher 44
8606 Greifensee
Switzerland

Manufacturer

Mettler-Toledo (Changzhou) Precision Instrument Ltd.
No.22, Zhengqiang Road, Xinbei District
Changzhou, Jiangsu
P.R. China

Identification of the
certified type

A **single point load cell**, with strain gauges, equipped with electronics.
Registered trade name : METTLER TOLEDO
Type : SLP215D

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 60-1:2021 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
12 April 2024

Certification Board

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

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon on top of the electronic version of this certificate.



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The conformity was established by the results of tests and examinations provided in the associated report:

- No. NMI-375802-01 dated 12 April 2024 that includes 74 pages.

Characteristics of the load cell:

Characterization of load cell capabilities		Digital load cell with data processing
Maximum capacity (E _{max})		15 kg up to and including 75 kg
Minimum dead load		0 kg
Accuracy Class		C
Maximum number of load cell intervals (n) ⁽¹⁾		7500
Ratio of minimum LC Verification interval ⁽¹⁾ Y = E _{max} / v _{min}		30000
Ratio of minimum dead load output return ⁽¹⁾ Z = E _{max} / (2 * DR)		7500
Temperature range		-10 °C / + 40 °C
Fraction p _{LC}		0,8
Humidity Class		SH
Safe overload		150 % of E _{max}
Recommended excitation		5 V DC
Excitation maximum		5,2 V DC
Transducer material		Aluminium
Atmospheric protection		Silicon rubber
Electromagnetic environment class		E2
Number of counts for E _{max}		≥ Y * 5 / p _{LC}
Data transmission	Interface data protocol	MT-SCIS ...
	Filtering	Adaptive
	Sample frequency	366,21 Hz
Software identification ⁽²⁾		See certificate TC8039

Remarks:

- The characteristics for $n_{\max}$, Y and Z can be reduced separately;
- The software identification can be sent through the interface on command and will be displayed on the device that displays the primary indications.



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

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the Utilizer Declaration:

- R 60 OIML-CS rev.2 Additional requirements from the United States Accuracy class III L;
- R 60 OIML-CS rev.2 Additional requirements from the United States Marking requirements.

Revision History

Revision	Date	Change(s)
0	2024-04-12	Initial issue.