

OIML Member State

The Netherlands

OIML Certificate



Number R60/2017-A-NL1-24.05 revision 0 Project number 3730624 Page 1 of 3

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.E). Schmidt		
Applicant and Manufacturer	Laboratorio Metrologico L Via Gen. Nastri, 23 84084 Fisciano (SA) Italy	CD srl		
Identification of the certified type	A compression load cell Type	, with strain g	gauges. GCS 25	
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 60-1:2017 for accuracy class C

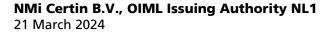
This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

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.





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Certification Board

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

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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OIML Certificate

Number R60/2017-A-NL1-24.05 revision 0 Project number 3730624 Page 2 of 3

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

- No. NMi-12200513-03 dated 10 January 2013 that includes 51 pages;
- No. NMi-14200272-08 dated 11 September 2014 that includes 13 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity (E _{max})	10000 kg up to and including 50000 kg	
Minimum dead load	2 kg	
Accuracy Class	С	
Rated Output	2 mV/V	
Maximum number of load cell intervals (n) ⁽¹⁾	4000	
Ratio of minimum LC Verification interval ⁽¹⁾ Y = E_{max} / v_{min}	20000	
Ratio of minimum dead load output return ⁽¹⁾ Z = E_{max} / (2 * DR)	5128	
Input impedance 😱	760 Ω ± 10 Ω	
Temperature range	-10 °C / + 40 °C	
Fraction p_{LC}	0,7	
Humidity Class	СН	
Safe overload	120 % of E _{max}	
Output impedance	700 Ω ± 5 Ω	
Recommended excitation	10 V DC	
Excitation maximum	15 V DC	
Transducer material	stainless steel	
Atmospheric protection	IP68, hermitical sealed	

Remark:

1. The characteristics for $n_{\mbox{\tiny max}}$ Y and Z can be reduced separately.

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 MAA Declaration of Mutual Confidence:

- R 60 DoMC-01 rev.0, Additional requirements from the United States;
- R 60 DoMC-02 rev.0, Additional requirements from the United States.



OIML Certificate



Number R60/2017-A-NL1-24.05 revision 0 Project number 3730624 Page 3 of 3

Revision History

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•	Revision	Date	Change(s)
	0	2024-03-21	Initial issue.
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