OIML Certificate

OIML Member State
The Netherlands

Number R60/2017-A-NL1-21.27 revision 1
Project number 4053698

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Dini Argeo S.r.l Via della Fisica, 20 41042 Fiorano Modenese (MO) Italy
Identification of the certified type	A **bending beam and single point load cell**, with strain gauges, tested as a part of a weighing instrument. Registered trade name : DINI ARGEO Type : SPG…
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.

Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
2 March 2026

Certification Board

NMi Certin B.V.
Thijsseweg 11
2629 JA Delft
The Netherlands
T +31 88 6362332
certin@nmi.nl
www.nmi.nl

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

- No. R60/2000-NL1-08.04A dated 24 April 2008 that includes 37 pages;
- No. R60/2000-NL1-08.04B dated 24 April 2008 that includes 39 pages;
- No. R60/2000-NL1-08.04C dated 25 April 2008 that includes 37 pages;
- No. R60/2000-NL1-09.03 dated 26 February 2009 that includes 37 pages;
- No. NMi-16200621-01 dated 24 November 2016 that includes 51 pages;
- No. NMi-16200621-02 dated 24 November 2016 that includes 46 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	1 kg up to 7 kg	3 kg up to and including 200 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	1,8 mV/V ± 0,1 %	2 mV/V ± 0,2 mV/V
Maximum number of load cell intervals (n) (1)	3000	6000
Ratio of minimum LC Verification interval (1) $Y = E_{max} / v_{min}$	15000	25000
Ratio of minimum dead load output return (1) $Z = E_{max} / (2 * DR)$	6000	7500
Input impedance	400 Ω ± 100 Ω	
Temperature range	-10 °C / +40 °C	
Fraction p_{LC}	0,7	
Humidity Class	CH	
Safe overload	150 % of E_{max}	
Output impedance	400 Ω ± 100 Ω	
Recommended excitation	5 V AC / DC for type SPM4	
Excitation maximum	15 V AC / DC	12 V AC / DC
Transducer material	Aluminium	
Atmospheric protection	Silicone rubber	

Remark:

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

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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 Reports, NMi-16200621-01 and NMi-16200621-02) 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

This revision replaces the previous version(s).

Revision	Date	Change(s)
0	2021-04-26	Initial issue.
1	2026-03-02	Update essential characteristics, address and adding test reports