OIML Certificate

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	DINI ARGEO Via Della Fisica, 20 41042 Fiorano Modenese Italy
Identification of the certified type	A **bending beam load cell**, with strain gauges.

Registered trade name	:	Dini Argeo S.r.l.
Type	:	SPDA, SPDMG, SPD

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 (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.

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** 16 March 2023 Certification Board

OIML Certificate

OIML Member State
The Netherlands

Number R60/2017-A-NL1-23.08 revision 0
Project number 3655493
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The conformity was established by the results of tests and examinations provided in the associated OIML Reports:
- No. NMi-11200434-01 dated 26 November 2012 that includes 25 pages;
- No. NMi-11200434-02 dated 26 November 2012 that includes 27 pages;
- No. NMi-16200594-01 dated 30 September 2016 that includes 51 pages;
- No. NMi-16200594-02 dated 26 September 2016 that includes 46 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell			
Maximum capacity (E_{max})	3 kg	5 kg up to and including 7 kg	10 up to and including 50 kg	50 up to and including 200 kg
Minimum dead load	0 kg			
Accuracy Class	C			
Rated Output	2,00 mV/V			
Maximum number of load cell intervals (n) [1]	3000	6000		
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$ [1]	9000	18000	20000	15000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$ [1]	4500	6200	7500	16000
Input impedance	406 Ω ± 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 ± 3 Ω			
Recommended excitation	5 - 10 V AC/DC			
Excitation maximum	15 V AC/DC			
Transducer material	Aluminium			
Atmospheric protection	IP65			

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.

OIML Certificate

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	16 March 2023	Initial issue.