

OIML Member State
The Netherlands

Number R60/2017-A-NL1-21.10 revision 1
Project number 2512958
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Issuing authority NMI Certin B.V.
Person responsible: M. Boudewijns

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Identification of the certified type **A compression load cell**
Registered trade name : SCAIME
Type : R30X

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
31 March 2021

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Reports:

- No. NMI-2512958-01 dated 10 March 2021 that includes 51 pages;
- No. NMI-2512958-02 dated 10 March 2021 that includes 46 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity (E_{max})	1000 kg up to and including 6000 kg	6000 kg up to and including 30.000 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2,0 mV/V	
Maximum number of load cell intervals (n) ⁽¹⁾	3000	
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	5000	6000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	3000	
Input impedance	760 $\Omega \pm 20 \Omega$	
Temperature range	-10 °C / + 40 °C	
Fraction p_{LC}	0.7	
Humidity Class	CH	
Safe overload	150 % of E_{max}	
Output impedance	700 $\Omega \pm 5 \Omega$	
Recommended excitation	5 V AC / DC	
Excitation maximum	15 V AC / DC	
Transducer material	Stainless steel	
Atmospheric protection	Hermetically	

Remark:

- 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.

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.



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Revision History

This revision replaces the previous version(s).

Revision	Date	Change(s)
Initial	10-03-2021	-
1	31-03-2021	Maximum capacity corrected