

**OIML Member State**  
The Netherlands

Number R60/2017-A-NL1-23.04 revision 0  
Project number 3612942  
Page 1 of 3

Issuing authority

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

Applicant and  
Manufacturer

Scaime S.A.S  
Le Bois de Juvigny, BP501  
F-74105 Annemasse  
France

Identification of the  
certified type

A **single point load cell**, with strain gauges.

Type

: AG

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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

*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**  
17 May 2023

Certification Board

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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](http://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.



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

- No. R60/2000-NL1-07.17A dated 15 November 2007 that includes 41 pages;
- No. R60/2000-NL1-07.17B dated 15 November 2007 that includes 43 pages.

### Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell		
Maximum capacity ( $E_{max}$ )	7 kg up to and including 10 kg	10 kg up to and including 15 kg	15 kg up to and including 36 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2 mV/V		
Maximum number of load cell intervals (n) <sup>(1)</sup>	3000	3000	6000
Ratio of minimum LC Verification interval <sup>(1)</sup> $Y = E_{max} / V_{min}$	7000	12000	18000
Ratio of minimum dead load output return <sup>(1)</sup> $Z = E_{max} / (2 * DR)$	3000	3000	6000
Input impedance	410 $\Omega \pm 20 \Omega$ or 1150 $\Omega \pm 50 \Omega$		
Temperature range	-10 °C / + 40 °C		
Humidity Class	SH		
Safe overload	150 % of $E_{max}$		
Output impedance	350 $\Omega \pm 5 \Omega$ or 1000 $\Omega \pm 10 \Omega$		
Recommended excitation	1 to 10V DC/AC		
Excitation maximum	15 V DC/AC		
Transducer material	Aluminum		
Atmospheric protection	Polymer coating		

**Remark:**

1. The characteristics for  $n_{max}$ , Y and Z can be reduced separately. Values of Y and Z can not be less than  $n_{max}$ .

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



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Number R60/2017-A-NL1-23.04 revision 0  
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Page 3 of 3

## Revision History

Revision	Date	Change(s)
0	2023-05-17	Initial issue.