

OIML Member State
The Netherlands

Number R60/2000-NL1-16.33
Project number 16200404
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Sartorius Mechatronics T&H GmbH Meiendorfer Strasse 205 D-22145 Hamburg Germany
Identification of the certified type	A compression load cell , with strain gauges Type : PR 6212
Characteristics	See next page

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 R60 - Edition 2000 (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**
10 October 2016



C. Oosterman
Head Certification Board

NMi Certin B.V.
Hugo de Grootplein 1
3314 EG Dordrecht
the Netherlands
T +31 78 6332332
certin@nmi.nl
www.nmi.nl

The notification of NMi Certin B.V.
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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. NMI-16200404-01 dated 6 October 2016 that includes 51 pages;
- No. NMI-16200404-02 dated 6 October 2016 that includes 48 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	500, 1000 and 2000 kg	500, 1000, 2000, 3000, 5000 and 10000 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2,0 mV/V	
Maximum number of load cell intervals (n)	2000	1000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	8000	5000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	2000	1500
Input impedance	$650 \Omega \pm 6 \Omega$	
Temperature range	$-10 \text{ }^\circ\text{C} / + 40 \text{ }^\circ\text{C}$	
Fraction p_{LC}	0,7	
Humidity Class	CH	
Safe overload	150 % of E_{max}	
Output impedance	$610 \Omega \pm 1 \Omega$	
Recommended excitation	4 - 24 V AC / DC	
Excitation maximum	32 V AC / DC	
Transducer material	Stainless steel	
Atmospheric protection	Hermetically sealed	

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

Each produced load cell 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.