

OIML Member State
The Netherlands

Number R60/2000-NL1-17.18
Project number 1900650
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	MinebeaMitsumi Inc. 1-1-1, Katase Fujisawa-shi, Kanagawa-ken 251-8531 Fujisawa Japan
Identification of the certified type	A single point load cell , with strain gauges, equipped with electronics. Type : C2X1...
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**
17 March 2017



C. Oosterman
Head Certification Board

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

- No. R60/2000/NL1-09.11A dated 15 September 2009 that includes 40 pages;
- No. R60/2000/NL1-09.11B dated 16 September 2009 that includes 37 pages;
- No. R60/2000/NL1-09.11C dated 12 November 2009 that includes 40 pages;
- No. R60/2000/NL1-09.11D dated 12 November 2009 that includes 37 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	6 kg up to and including 50 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	$2,0 \pm 0,2$ mV/V
Maximum number of load cell intervals (n)	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	9000
Input impedance	$425 \Omega \pm 25 \Omega$
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	$350 \Omega \pm 5 \Omega$
Recommended excitation	10 V DC
Excitation maximum	15 V DC
Transducer material	Aluminum Alloy
Atmospheric protection	Silicone coating

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.