

OIML Member State
The Netherlands

Number R60/2000-A-NL1-19.05
Project number 2234387
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Issuing authority NMI Certin B.V.
Person responsible: C. Oosterman

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Identification of the certified type A **single point load cell**, with strain gauges,
Type : PW4M...OP

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 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**
4 April 2019


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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-2234387-01 dated 4 April 2019 that includes 51 pages;
- No. NMI-2234387-02 dated 4 April 2019 that includes 46 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	300 g up to and including 1,5 kg	2 kg up to and including 5 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	1,0 mV/V \pm 0,1 mV/V or 2,0 mV/V \pm 0,2 mV/V	
Maximum number of load cell intervals (n) ⁽¹⁾	3000	
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	6000	10000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	15000	5000
Input impedance	400 Ω \pm 100 Ω	
Temperature range	-10 °C / + 40 °C	
Fraction p_{LC}	0,7	
Humidity Class	CH	
Safe overload	150 % of E_{max}	
Output impedance	400 Ω \pm 100 Ω	
Recommended excitation	5 V AC / DC	
Excitation maximum	10 V AC / DC	
Transducer material	Aluminum	
Atmospheric protection	Silicone rubber	

Remarks:

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.

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.