

**OIML Member State**  
The Netherlands

Number R60/2017-A-NL1-20.19  
Project number 2470081  
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Issuing authority

NMi Certin B.V.  
Person responsible: M. Boudewijns

Applicant and  
Manufacturer

Hottinger Baldwin Messtechnik GmbH  
Im Tiefen See 45  
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Germany

Identification of the  
certified type

A **single point load cell**, with strain gauges.  
Type : PW2C...

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**  
5 June 2020

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-2470081-01 dated 5 June 2020 that includes 51 pages;
- No. NMI-2470081-02 dated 5 June 2020 that includes 46 pages;
- No. NMI-2470081-03 dated 5 June 2020 that includes 46 pages.

### Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity ( $E_{max}$ )	7,2 kg up to 36 kg	36 kg up to and including 72 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2,2 mV/V $\pm$ 0,2 mV/V	
Maximum number of load cell intervals (n) <sup>(1)</sup>	6000	
Ratio of minimum LC Verification interval <sup>(1)</sup> $Y = E_{max} / V_{min}$	18000	24000
Ratio of minimum dead load output return <sup>(1)</sup> $Z = E_{max} / (2 * DR)$	6000	
Input impedance	380 $\Omega$ $\pm$ 57 $\Omega$	
Temperature range	-10 °C / + 40 °C	
Fraction $p_{LC}$	0,7	
Humidity Class	CH	
Safe overload	150 % of $E_{max}$	
Output impedance	380 $\Omega$ $\pm$ 57 $\Omega$	
Recommended excitation	5 V AC / DC	
Excitation maximum	15 V AC / DC	
Transducer material	Aluminium	
Atmospheric protection	Silicone rubber	

Remark:

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.