

OIML Member State
The Netherlands

Number R60/2017-A-NL1-19.18
Project number 2402404
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Hottinger Baldwin Messtechnik GmbH Im Tiefen See 45 D-64293 Darmstadt Germany
Identification of the certified type	A single point load cell , with strain gauges Type : PWSE :
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.

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**
16 August 2019


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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. NMI-11200427-01 dated 21 February 2012 that includes 27 pages;
- No. NMI-11200427-02 dated 21 February 2012 that includes 24 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity (E_{max})	100 kg up to and including 2500 kg	
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2 mV/V	
Maximum number of load cell intervals (n) ⁽¹⁾	6000	5000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	15000	15000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	7000	5000
Input impedance	390 $\Omega \pm 15 \Omega$	
Temperature range	-10 °C / +40 °C	
Fraction p_{LC}	0,7	
Humidity Class	CH	
Safe overload	150 % of E_{max}	
Output impedance	359 $\Omega \pm 10 \Omega$	
Recommended excitation	5 – 10 V AC or DC	
Excitation maximum	15 V AC or DC	
Transducer material	Stainless steel	
Atmospheric protection	IP67	

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.