



**OIML Member State**  
The Netherlands

Number R60/2000-A-NL1-19.20  
Project number 2261846  
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Issuing authority NMI Certin B.V.  
Person responsible: C. Oosterman

Applicant and Manufacturer Hottinger Baldwin Messtechnik GmbH  
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Germany

Identification of the certified type A **single point load cell**, with strain gauges, equipped with electronics,  
Type : FIT7

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**  
14 August 2019

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

- No. NMI-14200321-01 dated 11 December 2015 that includes 59 pages;
- No. NMI-14200321-02 dated 11 December 2015 that includes 56 pages;
- No. NMI-2261846-01 dated 14 August 2019 that includes 67 pages.

### Characteristics of the load cell:

Assembly version	VA, VB		VC
Maximum capacity ( $E_{max}$ )	3 kg up to 20 kg	20 kg up to and including 75 kg	10 kg up to and including 50 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Maximum number of load cell intervals (n) <sup>(1)</sup>	4000	4000	6000
Ratio of minimum LC Verification interval <sup>(1)</sup> $Y = E_{max} / v_{min}$	20000	35000	50000
Ratio of minimum dead load output return <sup>(1)</sup> $Z = E_{max} / (2 * DR)$	8100	8600	17200
Temperature range	-10 °C / + 40 °C		
Fraction $p_{LC}$	0,8		
Humidity Class	CH		
Safe overload	150 % of $E_{max}$		
Recommended excitation	24 V DC		
Excitation maximum	30 V DC		
Transducer material	Stainless steel		
Atmospheric protection	Silicone membrane		
Electromagnetic environment class	E2		
Number of counts for $E_{max}$	$\geq Y * 5 / p_{LC}$		
Software identification	Version number: 80 Checksum: 240413		

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.