

OIML Member State The Netherlands

OIML Certificate



Number R60/2000-A-NL1-20.15 Project number 2395488 Page 1 of 2

Issuing authority	NMi Certin B.V. Person responsible: M. Boudewijns	
Applicant and Manufacturer	Hottinger Baldwin Messtechnik GmbH Im Tiefen See 45 D-64293 Darmstadt Germany	
Identification of the certified type	A tension load cell , with Type	n strain gauges. : RSC
Characteristics	See next page	

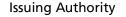
This OIML Certificate is issued under scheme A.

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.

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.





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Certification Board

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.







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Number R60/2000-A-NL1-20.15 Project number 2395488 Page 2 of 2

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

- No. R60/2000-NL1-10.12 dated 24 November 2010 that includes 64 pages;
- No. NMi-2395488-01 dated 15 May 2020 that includes 26 pages;
- No. NMi-2395488-02 dated 15 May 2020 that includes 24 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity (E _{max})	50 kg up to and including 5000 kg	
Minimum dead load	0 kg	
Accuracy Class	С	
Rated Output	2 mV/V ± 0,25%	
Maximum number of load cell intervals (n) ⁽¹⁾	3000	
Ratio of minimum LC Verification interval ⁽¹⁾ Y = E_{max} / v_{min}	8333	
Ratio of minimum dead load output return ⁽¹⁾ Z = E_{max} / (2 * DR)	3000	
Input impedance	350 Ω ± 15 Ω or 389 Ω ± 15 Ω	
Temperature range 🕂	-10 °C / +40 °C	
Fraction p_{LC}	0,7	
Humidity Class	СН	
Safe overload	150 % of E _{max}	
Output impedance	350 Ω ± 1,5 Ω or 359 Ω ± 1,5 Ω	
Recommended excitation	5 V AC / DC	
Excitation maximum	12 V AC / DC	
Transducer material	Stainless steel	
Atmospheric protection	Hermetical sealed	

Remark:

1. The characteristics for $n_{\mbox{\tiny max}}$ 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 R60/2000-NL1-10.12) 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.