

OIML Member State The Netherlands

OIML Certificate



Number R60/2017-A-NL1-21.20 Project number 2587826 Page 1 of 2

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Manufacturer	Ohaus Corporation 7 Campus Drive, Suite 310 Parsippany, New Jersey 07054 United States of America
Identification of the certified type	A single point load cell , with strain gauges. Type : LBZ3-B-xx-xxx-xx - Series
Characteristics	See next page

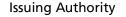
This OIML Certificate is issued under scheme A.

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.





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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 on top of the electronic version of this certificate.







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

- No. R60/2000-NL1-10.20 dated 10 November 2010 that includes 64 pages;
 - No. NMi-10200947-06 dated 24 December 2010 that includes 59 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 250 kg300 kg up to and including 500 kg	
Minimum dead load	0 kg	
Accuracy Class	С	
Rated Output	2,0 mV/V ± 0,2 mV/V	
Maximum number of load cell intervals (n) $^{(1)}$	4000 5000	
Ratio of minimum LC Verification interval ⁽¹⁾ Y = E_{max} / v_{min}	2000	
Ratio of minimum dead load output return ⁽¹⁾ Z = E_{max} / (2 * DR)	7500	
Input impedance	406 Ω ± 6 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 ± 3 Ω	
Recommended excitation 5 – 12 V AC / DC		
Excitation maximum	18 C AC / DC	
Transducer material	Aluminium alloy	
Atmospheric protection	Silicon rubber	

Remarks:

1. The characteristics for n_{max} and Y and can be reduced separately. Z is proportional or equal to n_{max}

Each load cell produced is provided with an accompanying document with information about its characteristics.