

OIML Member State
The Netherlands

Number R60/2017-A-NL1-21.22
Project number 2587826
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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-D-xx-xxx-xx-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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
30 April 2021

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-10200947-07 dated 24 December 2010 that includes 59 pages;
- No. NMI-10200947-08 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})	3 kg up to and including 50 kg		
Minimum dead load	0 kg		
Accuracy Class	C3	C4	C5
Rated Output	2,0 mV/V \pm 0,2 mV/V		
Maximum number of load cell intervals (n) ⁽¹⁾	3000	4000	5000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	10000	15000	20000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	3000	6000	7500
Input impedance	409 $\Omega \pm 6 \Omega$		
Temperature range	-10 °C / + 40 °C		
Fraction p_{LC}	0,7		
Humidity Class	CH		
Safe overload	150 % of E_{max}		
Output impedance	350 $\Omega \pm 3 \Omega$		
Recommended excitation	5 – 12 V AC / DC		
Excitation maximum	18 V AC / DC		
Transducer material	Aluminium alloy		
Atmospheric protection	Silicon rubber		

Remarks:

1. The characteristics for n_{max} , and Y 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.