

**OIML Member State**  
The Netherlands

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-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**  
18 November 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. 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 kg	300 kg up to and including 500 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2,0 mV/V $\pm$ 0,2 mV/V	
Maximum number of load cell intervals (n) <sup>(1)</sup>	4000	5000
Ratio of minimum LC Verification interval <sup>(1)</sup> $Y = E_{max} / V_{min}$	20000	
Ratio of minimum dead load output return <sup>(1)</sup> $Z = E_{max} / (2 * DR)$	7500	
Input impedance	406 $\Omega \pm 6 \Omega$	
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 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.



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## Revision History

This revision replaces the previous version(s).

Revision	Date	Change(s)
Initial	30-04-2021	-
1	18-11-2021	Y value change to 20000 in accordance with test certificate