# OIML Certificate

**OIML Member State**
The Netherlands

Number R60/2000-A-NL1-18.06
Project number 1902039


| | |
|---|---|
| Issuing authority | NMi Certin B.V.<br>Person responsible: C. Oosterman |
| Applicant and Manufacturer | Changzhou Longwen Measurement Co., Ltd<br>8 Hushan road, Furong, Henshanqiao town, Wujin district<br>213118 Changzhou, Jiangsu<br>Peoples Republic of China |
| Identification of the certified type | A **bending beam load cell**, with strain gauges<br>Type : LB… |
| 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.

Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**
9 April 2018

C. Oosterman
Head Certification Board

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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report:
- No. NMi-1902039-01 dated 9 April 2018 that includes 27 pages.

**Characteristics of the load cell:**

| | |
|---|---|
| Maximum capacity ($E_{max}$) | 181,4 kg up to and including 453,6 kg |
| Minimum dead load | 0 kg |
| Accuracy Class | C |
| Rated Output | 2,6 mV/V |
| Maximum number of load cell intervals (n) (1) | 4000 |
| Ratio of minimum LC Verification interval (1) $Y = E_{max} / v_{min}$ | 14000 |
| Ratio of minimum dead load output return (1) $Z = E_{max} / (2 * DR)$ | 4000 |
| Input impedance | 1175 Ω ± 50 Ω |
| Temperature range | + 10 °C / + 40 °C |
| Fraction $p_{LC}$ | 0,7 |
| Humidity Class | CH |
| Safe overload | 150 % of $E_{max}$ |
| Output impedance | 1000 Ω ± 5 Ω |
| Recommended excitation | 10 V DC |
| Excitation maximum | 15 V DC |
| Transducer material | Aluminum |
| Atmospheric protection | Epoxy coated |

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.