

OIML Member State
The Netherlands

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Project number 2429149
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Issuing authority

NMi Certin B.V.
Person responsible: M. Boudewijns

Applicant and
Manufacturer

Huzhou Liheng Electronic Technology Co., LTD
No. 69 Hengda Road, Qianyuan Town,
Deqing County, Zhejiang Province
China

Identification of the
certified type

A **single point load cell**, with strain gauges.
Type : LHE-2H

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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
14 May 2020

Certification Board

NMi Certin B.V.
Thijsseweg 11
2629 JA Delft
The Netherlands
T +31 88 6362332
certin@nmi.nl
www.nmi.nl

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

- No. NMI-2492149-03 dated 14 May 2020 that includes 51 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E_{max})	18 kg up to and including 90 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) ⁽¹⁾	6000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	12500
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	10000
Input impedance	410 Ω \pm 15 Ω
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	120 % of E_{max}
Output impedance	350 Ω \pm 3 Ω
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Aluminium
Atmospheric protection	Potted seal

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.

The above identified Type (represented by the sample(s) identified in the OIML Test Report) 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.