

OIML Member State
The Netherlands

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Issuing authority

NMi Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and
Manufacturer

Jiangsu Hongli Weighing Equipment Co., Ltd.
No.21 Longhui Road, Wujin High-tech Development District,
Changzhou
China

Identification of the
certified type

A **single point load cell**, with strain gauges.
Registered trade name : HOLI
Type : AL130 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 60-1:2017 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
28 July 2022

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. NMI-2287911-02 dated 28 July 2022 that includes 51 pages;
- No. NMI-2287911-03 dated 28 July 2022 that includes 46 pages.
- No. NMI-2287911-04 dated 28 July 2022 that includes 46 pages.
- No. NMI-2287911-05 dated 28 July 2022 that includes 46 pages.
- No. NMI-2287911-06 dated 28 July 2022 that includes 46 pages.

Characteristics of the load cell:

Model **AL130**:

Maximum capacity (E_{max})	3 kg up to 30 kg	30 kg up to and including 50 kg
Maximum number of load cell intervals (n) ⁽¹⁾	4500	6000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / v_{min}$	6000	20000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	6000	

Model **AL130L**:

Maximum capacity (E_{max})	3 kg up to 30 kg	30 kg up to and including 100 kg
Maximum number of load cell intervals (n) ⁽¹⁾	5000	6000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / v_{min}$	14000	20000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	6000	

Model **AL130W**:

Maximum capacity (E_{max})	40 kg up to and including 200 kg
Maximum number of load cell intervals (n) ⁽¹⁾	6000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / v_{min}$	20000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	6000

Characterization of load cell capabilities	Analog-passive load cell
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2 mV/V \pm 0,3 mV/V
Input impedance	402 Ω \pm 15 Ω

Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	$365 \Omega \pm 35 \Omega$
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Aluminium
Atmospheric protection	Silicon rubber

Remarks:

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.

Revision History

Revision	Date	Change(s)
0	28-07-2022	Initial issue.