

OIML Member State
The Netherlands

Number R60/2017-A-NL1-19.30
Project number 2350028
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Shandong Jinzhong Science & Technology Group Co. Ltd. No. 147 yingxiongshan road Jinan shandong Province China
Identification of the certified type	A compression load cell , with strain gauges, equipped with electronics. Registered trade name : Jinzhong (Goldbell) Type : CZL-YB
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**
21 October 2019


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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-2350028-01 dated 21 October 2019 that includes 69 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Digital load cell with data processing
Maximum capacity (E_{max})	10000 kg up to and including 50000 kg
Minimum dead load	0 kg
Accuracy Class	C
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
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,8
Humidity Class	CH
Safe overload	150 % of E_{max}
Recommended excitation	12 V DC
Excitation maximum	15 V DC
Transducer material	Stainless steel
Atmospheric protection	Hermetically welded
Electromagnetic environment class	E2
Number of counts for E_{max}	$\geq Y * 5 / p_{LC}$
Software identification	Version number: P52

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.