



The Netherlands

OIML Member State

OIML Certificate

Number R60/2017-A-NL1-22.07 revision 0 Project number 2484890 Page 1 of 3

Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

Applicant and Zhonghang Electronic Measuring Instruments Co.Ltd.

Manufacturer Xinyuan Road, north part of EDZ Hanzhong,

723000, Shaanxi Hanzhong

China

Identification of the A shear beam load cell, with strain gauges. certified type

Registered trade name : Zhonghang Electronic Measuring Instruments

Co. Ltd.

: HM9B Type

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

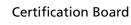
This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

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 23 May 2022



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

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon on top of the electronic version of this certificate.















OIML Certificate

OIML Member StateThe Netherlands



Number R60/2017-A-NL1-22.07 revision 0 Project number 2484890 Page 2 of 3

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

- No. NMi-2484890-01 dated 20 May 2022 that includes 29 pages;
- No. NMi-2484890-02 dated 20 May 2022 that includes 35 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell	
Maximum capacity (E _{max})	10000 kg up to and including 50000 kg	
Minimum dead load	0 kg	
Accuracy Class	С	
Rated Output	2,0 mV/V	
Maximum number of load cell intervals (n) (1)	3000	
Ratio of minimum LC Verification interval $^{(1)}$ Y = E_{max} / v_{min}	7500	
Ratio of minimum dead load output return (1) $Z = E_{max} / (2 * DR)$	3000	
Input impedance	700 Ω ± 7 Ω	
Temperature range	-10 °C / + 40 °C	
Fraction p _{LC}	0,7	
Humidity Class	СН	
Safe overload	150 % of E _{max}	
Output impedance	703 Ω ± 4 Ω	
Recommended excitation	5-12 V AC / DC	
Excitation maximum	18 V AC / DC	
Transducer material	Steel	
Atmospheric protection	Hermetically welded	

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.







OIML Member State The Netherlands



OIML Certificate

Number R60/2017-A-NL1-22.07 revision 0 Project number 2484890 Page 3 of 3





Revision	Date	Description of the modification	
Initial	23 May 2022	Initial approval	









