

OIML Member State
The Netherlands

Number R60/2017-A-NL1-21.38
Project number 2518239
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Issuing authority

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

Manufacturer

Keli Sensing Technology (Ningbo) Co., Ltd.
No. 199 Changxing Road
Jiangbei District, Ningbo
China

Identification of the certified type

A **shear beam load cell**, with strain gauges, equipped with electronics.
Registered trade name : Keli Sensing Technology (Ningbo) Co., Ltd.
Type : SQB-D

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
25 November 2021

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-2518239-01 dated 25 November 2021 that includes 45 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Digital load cell	
Maximum capacity (E_{max})	1000 kg up to and including 5000 kg	
Minimum dead load	0 kg	
Accuracy Class	C	
Maximum number of load cell intervals (n) ⁽¹⁾	3000	
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	10000	
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	3100	
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	Alloy steel	
Atmospheric protection	Hermetically welded	
Electromagnetic environment class	E1	
Number of counts for E_{max}	$62500 \geq Y * 5 / p_{LC}$	
Software identification	Version number	V02
	Checksum	0x03b8

Remarks:

- 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,

Software:

- The identification number will be displayed on the device that displays the primary indications and/ or is printed on the load cell.