



### OIML Certificate

# **OIML Member State**The Netherlands



Number R60/2017-A-NL1-22.06 Project number 3083915 Page 1 of 2

Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

Applicant and Keli Sensing Technology (Ningbo) Co., Ltd. Manufacturer No. 199 Changxing Road

Jiangbei District, Ningbo

China

Identification of the certified type

A double ended shear beam load cell, with strain gauges, equipped with

electronics.

Registered trade name : Keli Sensing Technology (Ningbo) Co., Ltd.

Type : QS-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):

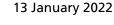
OIML R 60 - Edition 2017 (E) for accuracy class C

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.

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



**Certification Board** 

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.





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







## **OIML** Certificate

**OIML Member State**The Netherlands



Number R60/2017-A-NL1-22.06 Project number 3083915 Page 2 of 2

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

- No. NMi-3083915-01 dated 13 January 2022 that includes 45 pages.

#### **Characteristics of the load cell:**

Characterization of load cell capabilities	Digital load cell with data processing
Maximum capacity (E <sub>max</sub> )	10 t up to and including 50 t
Minimum dead load	0 kg
Accuracy Class	С
Maximum number of load cell intervals (n) (1)	3000
Ratio of minimum LC Verification interval $^{(1)}$ Y = $E_{max}$ / $v_{min}$	8000
Ratio of minimum dead load output return (1) $Z = E_{max} / (2 * DR)$	3000
Temperature range	-10 °C / + 40 °C
Fraction p <sub>LC</sub>	0,8
Humidity Class	СН
Safe overload	150 % of E <sub>max</sub>
Recommended excitation	12 V DC
Excitation maximum	15 V DC
Transducer material	Alloy Steel
Atmospheric protection	Hermetically welded
Electromagnetic environment class	E2
Number of counts for E <sub>max</sub>	62500 cts ≥ Y * 5 / p <sub>LC</sub>
Software identification	Version number: V01

### Remark:

1. The characteristics for  $n_{\text{max}}$ , Y and Z can be reduced separately.

Each load cell produced is provided with an accompanying document with information about its characteristics.



