

OIML Member State
The Netherlands

Number R60/2021-A-NL1-26.03 revision 0
Project number 3883612
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Issuing authority

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

Applicant and
Manufacturer

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

Identification of the
certified type

A **compression load cell**, with strain gauges, equipped with electronics.
Type : SDS

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 60-1:2021 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.
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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
13 February 2026

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 report:

- No. NMI-3883612-01 dated 13 February 2026 that includes 46 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Digital load cell
Maximum capacity (E_{max})	20 t up to and including 100 t
Minimum dead load	0 kg
Accuracy Class	C
Maximum number of load cell intervals (n) ⁽¹⁾	4000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	9000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	5000
Temperature range	- 10 °C / + 40 °C
Fraction p_{LC}	0,8
Humidity Class	NH
Safe overload	150 % of E_{max}
Recommended excitation	12 V DC
Excitation maximum	15 V DC
Transducer material	steel
Atmospheric protection	Hermetically welded
Electromagnetic environment class	E2
Number of counts for E_{max}	$\geq Y * 5 / p_{LC}$
Software identification	Version number:2

Remarks:

1. The characteristics for n_{max} , Y and Z can be reduced separately;
2. The identification number will be displayed on the load cell.

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

Revision History

Revision	Date	Change(s)
0	2026-02-13	Initial issue.