

OIML Member State
The Netherlands

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Project number 2395488
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Issuing authority NMI Certin B.V.
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Identification of the certified type A **tension load cell**, with strain gauges.
Type : RSC...

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 2000 (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
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Certification Board

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

- No. R60/2000-NL1-10.12 dated 24 November 2010 that includes 64 pages;
- No. NMI-2395488-01 dated 15 May 2020 that includes 26 pages;
- No. NMI-2395488-02 dated 15 May 2020 that includes 24 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E_{max})	50 kg up to and including 5000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2 mV/V \pm 0,25%
Maximum number of load cell intervals (n) ⁽¹⁾	3000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	8333
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	3000
Input impedance	350 Ω \pm 15 Ω or 389 Ω \pm 15 Ω
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	350 Ω \pm 1,5 Ω or 359 Ω \pm 1,5 Ω
Recommended excitation	5 V AC / DC
Excitation maximum	12 V AC / DC
Transducer material	Stainless steel
Atmospheric protection	Hermetical sealed

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 R60/2000-NL1-10.12) 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.