



OIML Certificate

OIML Member State
The Netherlands

Number R60/2000-A-NL1-20.29
Project number 2522932
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Issuing authority NMI Certin B.V.
Person responsible: M. Boudewijns

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Konak/Izmir
TURKEY

Identification of the certified type A **compression load cell**, with strain gauges, equipped with electronics.
Type : CTD30

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
17 September 2020

Certification Board

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

- No. NMI-13200048-03 revision 1 dated 27 January 2014 that includes 45 pages.

Characteristics of the load cell:

| | |
|---|--|
| Maximum capacity (E_{max}) | 20000 kg up to and including 100000 kg |
| Minimum dead load | 0 kg |
| Accuracy Class | C |
| Maximum number of load cell intervals (n) ⁽¹⁾ | 5000 |
| Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$ | 10000 |
| Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$ | 5000 |
| Temperature range | -10 °C / +40 °C |
| Fraction p_{LC} | 0,8 |
| Humidity Class | CH |
| Safe overload | 150 % of E_{max} |
| Recommended excitation | 10 V DC |
| Excitation maximum | 18 V DC |
| Transducer material | Alloy steel and Stainless steel |
| Atmospheric protection | IP68 |
| 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.

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