

OIML Member State
The Netherlands

Number R60/2000-A-NL1-21.44
Project number 3292427
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Issuing authority

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

Applicant and
Manufacturer

Laumas Elettronica S.r.l.
Via Primo Maggio, 6
43022 Montechiarugolo (PR)
Italy

Identification of the
certified type

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

Type : COKD..., COD...

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
20 December 2021

Certification Board

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

- No. NMI-13200048-03 dated 21 January 2014 that includes 45 pages;
- 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)	5000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	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

The characteristics for n_{max} and Y can be reduced separately. Z is proportional or equal to n_{max} .

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