



OIML Certificate

OIML Member State
The Netherlands

Number R60/2000-A-NL1-19.14
Project number 2363100
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Issuing authority NMI Certin B.V.
Person responsible: C. Oosterman

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Selangor
Malaysia

Identification of the certified type A **compression load cell**, with strain gauges, equipped with electronics,
Type : GT160, BTS

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**
4 July 2019


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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) ⁽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

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.