

OIML Certificate of Conformity

OIML Member State

The Netherlands

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NMi Certin B.V.

Person responsible: C. Oosterman

Applicant and Manufacturer

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China

Identification of the

load cell, with strain gauges

certified type

Type QSC-A

Characteristics See next page

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 R60 - 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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NMi Certin B.V., OIML Issuing Authority

27 December 2016

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

- No. NMi-16200790-01 dated 21 December 2016 that includes 51 pages.

Characteristics of the load cell:

Maximum capacity (E _{max})	13,6 t up to and including 68 t
Minimum dead load	0 kg
Accuracy Class	, , , , , , , , , , , , , , , , , , ,
Rated Output + + + + + + + + + + + + + + + + + + +	+ + + + + 3,00 ± 0,003 mV/V + + + + + +
Maximum number of load cell intervals (n)	+ + + + + + + 3000 + + + + + + + +
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	+ + + + + + + + + + + + + + + + + + + +
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	+ + + + + + + + + + + + + + + + + + + +
Input impedance	750 Ω ± 10 Ω
Temperature range	-10 °C / +40 °C
Fraction p _{LC} + + + + + + + + + + + + + + + + + + +	+ + + + + + + + + + + + + + + + + + + +
Humidity Class	CH THE THE
Safe overload	150 % of E _{max}
Output impedance + + + + + + + + +	$+ + + + + + 702 \Omega \pm 5 \Omega + + + + + + +$
Recommended excitation	† † † † † † 10 V DC
Excitation maximum	15 V DC
Transducer material	+ + + + + + Alloy Steel + + + + + + +
Atmospheric protection	+ + + Hermetically welded + + + + +

The characteristics for n_{max} and Y can be reduced separately.

Each produced load cell 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) 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 MAA Declaration of Mutual Confidence:

- R 60 DoMC-01 rev.0, Additional requirements from the United States;
- R 60 DoMC-02 rev.0, Additional requirements from the United States