

OIML Certificate

OIML Member State

The Netherlands

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Issuing authority NMi Certin B.V.

Person responsible: C. Oosterman

Applicant and Manufacturer

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China

Identification of th certified type

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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.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1

19 November 2018

C. Oosterman

Head Certification Board

NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht the Netherlands T +31 78 6332332 certin@nmi.nl www.nmi.nl This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org







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

- No. NMi-15200268-01 rev. 1 dated 29 September 2015 that includes 51 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 + + + + + + + + + +	+ + + + + + + + + + + + + + + + + + +
Rated Output	2,0 mV/V
Maximum number of load cell intervals (n)	3500
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min} + \cdots + $	+ + + + + + + + 16000 + + + + + + + + + + + + + + + + + +
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	+ + + + + + + + + + + + + + + + + + + +
Input impedance	700 Ω ± 10 Ω
Temperature range	-10 °C / + 40 °C
Fraction p_{LC} + + + + + + + + + +	+ + + + + + + + + + + + + + + + + + + +
Humidity Class	+ + + + + + + + + + + + + + + + + + +
Safe overload	150 % of E _{max}
Output impedance	$+$ + + + + + $+$ 700 Ω ± 10 Ω + + + + + +
Recommended excitation	+ + + + + + + 10 V AC/DC+ + + + + + +
Excitation maximum	15 V AC / DC
Transducer material	+ + + + + + + Steel + + + + + + + + +
Atmospheric protection * * * * * * *	+ + + + Hermetically welded + + + + +

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

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) 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.