

The Netherlands

OIML Member State

OIML Certificate



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Issuing authori	ty NMi Certin B.V. Person responsib	le: C. Oosterman
Applicant and Manufacturer	Minebea Intec Gi Meiendorfer Stra D-22145 Hambur Germany	asse 205 A
Identification o certified type	Identification of the certified typeA tension load cell , with strain gauges.Registered trade name: Minebea Interview	
	Туре	: PR 76
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 2017 (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

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12 August 2019 C. Oosterman Head Certification Board

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 Type Evaluation Reports:

- No. NMi-2393178-01 dated 12 August 2019 that includes 74 pages;
- No. NMi-2393178-02 dated 12 August 2019 that includes 68 pages;
- No. NMi-2393178-03 dated 12 August 2019 that includes 68 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Analog-passive load cell
Maximum capacity (E _{max})	60 kg up to and including 5000 kg
Minimum dead load	0 kg
Accuracy Class	С
Rated Output	2 mV/V
Maximum number of load cell intervals (n) ⁽¹⁾	3000
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)	3000
Input impedance	400 Ω ± 50 Ω
Temperature range	-10 °C / + 40 °C
Fraction p _{LC}	0,7
Humidity Class	СН
Safe overload	150 % of E _{max}
Output impedance	352 Ω ± 2 Ω
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Stainless steel
Atmospheric protection	Hermetically sealed

Remark:

1. The characteristics for $n_{\mbox{\tiny max}}$, Y and Z can be reduced separately.

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.