



OIML Certificate

OIML Member State
The Netherlands

Number R60/2000-A-NL1-18.12 revision 0
Project number 1902356
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Issuing authority NMI Certin B.V.
Person responsible: C. Oosterman

Applicant and Manufacturer Minebea Intec GmbH
Meiendorfer Strasse 205 A
D-22145 Hamburg
Germany

Identification of the certified type A **compression load cell**, with strain gauges,
Type : PR 6203

Characteristics See next page

This OIML Certificate is issued under scheme A.

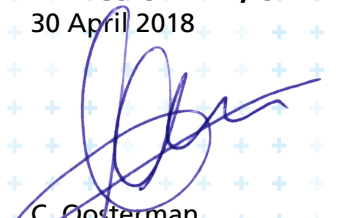
This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

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**
30 April 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 Reports:

- No. NMI-1901376-01 dated 30 August 2017 that includes 68 pages;
- No. NMI-1901376-02 revision 1 dated 11 September 2017 that includes 68 pages;
- No. NMI-1901376-03 dated 30 August 2017 that includes 68 pages;
- No. NMI-1901376-04 dated 30 August 2017 that includes 74 pages;
- No. NMI-1901376-05 dated 30 August 2017 that includes 68 pages;
- No. NMI-1901376-06 dated 30 August 2017 that includes 9 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	0,5 t	1 t	2 t	3 t up to 20 t	20 t up to and including 100 t
Minimum dead load	0 kg				
Accuracy Class	C				
Rated Output	2,0 mV/V				
Maximum number of load cell intervals (n) ⁽¹⁾	1000	3000	6000		
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	2500	5000	10000	15000	20000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	1000		10000		
Input impedance	650 $\Omega \pm 6,0 \Omega$				
Temperature range	-10 °C / + 40 °C				
Fraction p_{LC}	0,7				
Humidity Class	CH				
Safe overload	150 % of E_{max}				
Output impedance	610 $\Omega \pm 0,5 \Omega$ / 610 $\Omega \pm 1 \Omega$ ⁽²⁾ 510 $\Omega \pm 0,5 \Omega$ / 510 $\Omega \pm 1 \Omega$ ⁽²⁾ (for 60 t only) 410 $\Omega \pm 0,5 \Omega$ / 410 $\Omega \pm 1 \Omega$ ⁽²⁾ (for 75 t only)				
Recommended excitation	10 V AC / DC				
Excitation maximum	24 V AC / DC				
Transducer material	Stainless steel				
Atmospheric protection	Hermetically welded				

Remarks:

1. The characteristics for n_{max} , Y and Z can be reduced separately.
2. The tolerance of the output impedance is $\pm 1 \Omega$ for C1 accuracy class.



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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 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.