OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R60/2000-NL1-16.04
Project number SO16200084

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Schenck Process GmbH Pallaswiesenstrasse 100 D-64293 Darmstadt Germany
Identification of the certified type	A **compression load cell**, with strain gauges. Type : RTB-xx-xxx-xxx-xx Series
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.

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
12 February 2016

C. Oosterman
Head Certification Board

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

- No. NMi-10200947-01 dated 24 December 2010 that includes 59 pages;
- No. NMi-11200444-03 dated 24 August 2011 that includes 65 pages;
- No. NMi-11200444-04 dated 24 August 2011 that includes 59 pages;
- No. NMi-11200444-05 dated 24 August 2011 that includes 59 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	60, 130, 250, 280 kg	500 kg up to and including 10 t	13 t up to and including 60 t
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output for 60, 130 and 280 kg	1,0 mV/V ± 0,1 mV/V		
Rated Output for 250 kg	1,75 mV/V ± 0,1 mV/V		
Rated Output for 500 kg up to and including 60 t	2,0 mV/V ± 0,1 mV/V		
Maximum number of load cell intervals (n)	5000	5000	5000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	16000	17500	25000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	5000	5000	5000
Input impedance	1260 Ω ± 100 Ω for 60, 130 and 280 kg 1100 Ω ± 100 Ω for 250 kg up to and incl. 10 t 1200 Ω ± 100 Ω for 13 t 1075 Ω ± 100 Ω for 28 t 1350 Ω ± 200 Ω for 60 t		
Temperature range	-10 °C / +40 °C		
Fraction p_{LC}	0,7		
Humidity Class	CH		
Safe overload	150 % of E_{max}		
Output impedance	1020 Ω ± 0,5 Ω for 60, 130 and 280 kg 1025 Ω ± 25 Ω for 250 kg up to and incl. 10 t 1000 Ω ± 0,5 Ω for 13 t 930 Ω ± 0,5 Ω for 28 t 1175 Ω ± 0,5 Ω for 60 t		
Recommended excitation	5 – 12 V DC/AC		
Excitation maximum	18 V DC/AC		

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Transducer material	Stainless 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.