



Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

Member State of OIML
Germany



OIML Certificate No.
R60/2000-DE1-17.15

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

Name: Physikalisch-Technische Bundesanstalt
Address: Bundesallee 100, 38116 Braunschweig
Person responsible: Dr. O. Mack

Applicant

Name: Minebea Intec GmbH
Address: Meiendorfer Str. 205 A, 22145 Hamburg

Manufacturer of the certified type is the applicant.

Identification of the certified type

Load Cell
Type: PR 6241

Further characteristics see page 2

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

R60, edition 2000
for accuracy class(es) D1, C1 – C6

This Certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation identified above.

This Certificate does not bestow any form of legal international approval.



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

- No. PTB 1.12-4084762-4.1 that includes 22 pages
- No. PTB 1.12-4084762-4.2 that includes 22 pages
- No. PTB 1.12-4084762-5.1 that includes 18 pages
- No. PTB 1.12-4084762-5.2 that includes 18 pages
- No. PTB 1.12-4084762-6.1 that includes 18 pages
- No. PTB 1.12-4084762-6.2 that includes 18 pages

The Issuing Authority



Dr. O. Mack
 Member of Certification Body

10.10.2017



The OIML Member



Prof. Dr. R. Schwartz
 Vice President

10.10.2017

Table 1: Essential data

Accuracy class		D1	C1	C2	C3	C6
Maximum number of verification intervals n_{LC}		1000		2000	3000	6000
Rated output	mV/V	1 / 2 (*)				
Nominal capacity E_{max}	kg	50 / 100 / 200 / 300 / 500 / 1000 / 2000 / 3000 / 5000 (*)				
Minimum load cell verification interval $V_{min} = (E_{max} / Y)$		$E_{max} / 5000$	$E_{max} / 10000$		$E_{max} / 14000$	$E_{max} / 20000$
Minimum dead load output return $DR = (\frac{1}{2} \cdot E_{max} / Z)$		$\frac{1}{2} \cdot E_{max} / 1000$		$\frac{1}{2} \cdot E_{max} / 2000$	$\frac{1}{2} \cdot E_{max} / 3000$	$\frac{1}{2} \cdot E_{max} / 8000$

Dead load: $0\% \cdot E_{max}$; Safe overload: $150\% \cdot E_{max}$; Input impedance: $650 \pm 6 \Omega$

(*) = PR 6241 with $E_{max} = 50$ kg at 1 mV/V // Nominal capacities 50 kg and 100 kg only D1, C1 and C2 // $Y = 5000$ for $E_{max} = 50$ kg // $E_{max} = 5$ t only D1, C1, C2 and C3. Accuracy class C6 for $E_{max} = 200$ kg up to 3000 kg.

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