

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R60/2000-DE1-10.03

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Flintec GmbH
Address: Bemannsbruch 9
74909 Meckesheim

Germany

Manufacturer of the certified type is the applicant.

Identification of the certified type

Strain gauge single point load cell
Type: PCB

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 classes C3; C3 MI 6; C5; C5 MI 7.5

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. 1.12-4039180-1 that includes 22 pages
No. 1.12-4039180-2 that includes 22 pages

The Issuing Authority

The OIML Member

Dr. D. Ratschko
Oberregierungsrat

Dr. R. Schwartz
Direktor und Professor

06.05.2010

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The Single-Point load cells of the series PCB are bending beam load cells with lateral parallel guiding and centred bending eye made of stainless steel. Further essential characteristics are given in the data sheet, see page 5 to 7 of this annex.

The metrological characteristics for application in approved weighing instruments are listed in table 1.

Table 1: Essential data

Accuracy class			C3	C3 MI 6	C5	C5 MI 7.5
Maximum number of load cell intervals	n_{LC}		3000		5000	
Rated output		mV/V	2			
Maximum capacity	E_{max}	t	50 / 100 / 250 / 500 / 1000			
Minimum load cell verification interval	$\frac{V_{min}}{(E_{max} / Y)}$	1)	$E_{max} / 12500$			
Minimum load cell verification interval	$\frac{V_{min}}{(E_{max} / Y)}$	1)	$E_{max} / 20000$			
Minimum dead load output return	$\frac{DR}{(\frac{1}{2} E_{max} / Z)}$		$\frac{1}{2} \cdot E_{max} / 3000$	$\frac{1}{2} \cdot E_{max} / 6000$	$\frac{1}{2} \cdot E_{max} / 5000$	$\frac{1}{2} \cdot E_{max} / 7500$

Dead load: 0%· E_{max} ; Safe overload: 200%· E_{max} ; Input impedance: 1100 Ω ; Fraction: $p_{LC} = 0.7$

¹⁾ Y is indicated on the name plate

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