

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R60/2000-DE1-08.06

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Flintec GmbH
Address: Bemannsbruch 9, 74909 Meckesheim
Germany

Manufacturer of the certified type is the applicant.

Identification of the certified type

Load Cell
Strain gauge single point load cell
Type: PC1

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; C4; C5; C3MI6

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 1.12-4032382-1 that includes 22 pages
No. PTB 1.12-4032382-2 that includes 19 pages

The Issuing Authority

The OIML Member

Dr. P. Zervos
Direktor und Professor

Dr. R. Schwartz
Direktor und Professor

28.08.2008

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The load cells (LC) of the series PC1 are double bending beam load cells made of stainless steel. The strain gauge application on top and below is potted.

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

Table 1: Essential data

Accuracy class		C3	C3MI6	C4	C5
Maximum number of load cell intervals	n_{LC}	3000		4000	5000
Rated output	mV/V	2			
Maximum capacity	E_{max}	6 / 7,5 / 10 / 15 / 30 / 50 / 75 / 100 / 200			
Minimum load cell verification interval	$V_{min} = (E_{max} / Y)$	$E_{max} / 10000$			
Optional minimum LC verification interval	$V_{min} = (E_{max} / Y)$	1) $E_{max} / 15000$			
Minimum dead load output return	$DR = (\frac{1}{2} E_{max} / Z)$	$\frac{1}{2} E_{max} / 3000$	$\frac{1}{2} E_{max} / 6000$	$\frac{1}{2} E_{max} / 4000$	$\frac{1}{2} E_{max} / 5000$
maximum dimensions of the platform	mm	for 6 kg – 15 kg 350 x 350	for 30 kg – 75 kg 450 x 450	for 100 kg – 200 kg 600 x 600	

¹⁾ The optional minimum verification interval is indicated on the name plate

Dead load: $0\% \cdot E_{max}$; Safe overload: $200\% \cdot E_{max}$; Input impedance: 390 Ω ; Fraction: $p_{LC} = 0.7$

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