

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML  
Germany



OIML Certificate N°  
**R60/2000-DE1-08.07**

## 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: PC6

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; C3MI6; C3MI12; C4

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 1.12-4034306-2 that includes 23 pages  
 No. PTB 1.12-4034406-4 that includes 19 pages  
 No. PTB 1.12-4034406-5 that includes 23 pages

## The Issuing Authority

## The OIML Member

Dr. P. Zervos  
Direktor und Professor

Dr. R. Schwartz  
Direktor und Professor

15.09.2008

15.09.2008

The load cells (LC) of the series PC6 are single point load cells with lateral parallel guiding and a centered bending eye made of stainless steel. The strain gauge application is encapsulated hermetically.

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

Table 1: Essential data

Accuracy class		C3	C3MI6	C4	C3MI12
Maximum number of load cell intervals	$n_{LC}$	3000	3000	4000	3000
Rated output	mV/V	2			
Maximum capacity	$E_{max}$	kg	10 / 11 / 20 / 22 / 50 / 100 / 200		100 / 200
Minimum load cell verification interval	$V_{min} = (E_{max} / Y)$		$E_{max} / 12500$		
Optional minimum LC verification interval	$V_{min} = (E_{max} / Y)$	1)	$E_{max} / 25000$		
Minimum dead load output return	$DR = (\frac{1}{2} E_{max} / Z)$		$\frac{1}{2} E_{max} / 3000$	$\frac{1}{2} E_{max} / 6000$	$\frac{1}{2} E_{max} / 4000$ / $\frac{1}{2} E_{max} / 12000$
maximum dimensions of the platform	mm	for 10 kg – 22 kg 350 x 350	for 50 kg 500 x 500	for 100 kg – 200 kg 600 x 600	

<sup>1)</sup> 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: 1100  $\Omega$ ; Fraction:  $p_{LC} = 0.7$

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