Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-09.19

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

Strain gauge bending beam load cell

Type: SB6

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 C1; C3; 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.

R3-0033

Physikalisch-Technische Bundesanstalt

OIML Certificate N°
R60/2000-DE1-09.19

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

No. 1.12-4039210-1	that includes 22 pages
No. 1.12-4039210-2	that includes 21 pages

The Issuing Authority   **The CIML Member**

Dr. P. Zervos   Dr. R. Schwartz
Direktor und Professor   Direktor und Professor

14.07.2009   14.07.2009

The load cells of the series SB6 are bending beam load cells made of stainless steel. The strain gauge application is hermetically encapsulated.

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

Table 1: Essential data

Accuracy class			C1	C3	C4
Maximum number of load cell intervals	n_{LC}		1000	3000	4000
Rated output		mV/V	2		
Maximum capacity	E_{max}	kg	20.4 / 51 / 102 / 204		20.4 / 51 / 102
Minimum load cell verification interval	$v_{min} = (E_{max} / Y)$		$E_{max} / 5100$	$E_{max} / 10200$	
Optional minimum LC verification interval	$v_{min} = (E_{max} / Y)$	1)	---	$E_{max} / 20400$	

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

Dead load: 0%·E_{max}; Safe overload: 200%·E_{max}; Input impedance: 1106 Ω; Fraction: $p_{LC} = 0.7$

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated Test Reports is not permitted, although either may be reproduced in full.