Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-09.02

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 double bending beam load cell Type: SB14 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, C4, C5, 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.

R3-0033

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

No. 1.12-4039175-1 that includes 23 pages
No. 1.12-4039175-2 that includes 22 pages

The Issuing Authority **The CIML Member**

Dr. P. Zervos
Direktor und Professor

22.07.2009

Dr. R. Schwartz
Direktor und Professor

22.07.2009

The load cells of the series SB14 are double 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			C3	C3 MI 6	C4	C5	C6
Maximum number of load cell intervals	n_{LC}		3000		4000	5000	6000
Rated output		mV/V	2				
Maximum capacity	E_{max}	kg	227/454/1134/2268/4536		1134/2268/4536		
Minimum load cell verification interval	v_{min} = (E_{max} / Y)		E_{max} / 11500				
Optional minimum LC verification interval	v_{min} = (E_{max} / Y)	[1)]	E_{max} / 23000				
Minimum dead load output return	DR = (½ E_{max} / Z)		--	6000	--	--	--

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

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

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