Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-10.07

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name:	Zhonghang Electronic Measuring Instruments Co., Ltd. (ZEMIC)
Address:	2 PO Box
	723007 Hanzhong , Shaanxi
	China

Manufacturer of the certified type is the applicant.

Identification of the certified type	Strain gauge shear beam load cell
	Type: BM8G
	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

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. 1.12-4047315-1 that includes 22 pages
No. 1.12-4047315-2 that includes 18 pages

An OIML Basic Certificate has been issued, because the test reports mentioned above are partly based on measurements performed before September 2009 (acceptance of PTB as issuing participant in the DoMC R60).

The Issuing Authority

Dr. D. Ratschko
Oberregierungsrat

10.08.2010

The CIML Member

Dr. R. Schwartz
Direktor und Professor

10.08.2010

The load cells of the series BM8G are shear beam load cells. They are made of stainless steel and the strain gauge application is hermetically sealed.

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

Table 1: Essential data

Accuracy class			C3	C4
Maximum number of load cell intervals	n_{LC}		3000	4000
Rated output		mV/V	2	
Maximum capacity	E_{max}	t	0.5 / 1 / 2 / 5 / 7.5 / 10	0.5 / 1 / 2
Minimum load cell verification interval	$v_{min} = (E_{max} / Y)$		E_{max} / 10000	E_{max} / 15000
Minimum dead load output return	DR = (½ E_{max} / Z)		½ E_{max} / 6000	

Dead load: 0%·E_{max}; Safe overload: 150%·E_{max}; Input impedance: 350 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.