Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate No.
R60/2000-DE1-10.02
Revision 1

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 double bending beam load cell Type: BM6G 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 MR, C4 MR

This Certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation identified above.

R3-0033

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This Certificate does not bestow any form of legal international approval.

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

No. 1.12-4047484-1 that includes 22 pages
No. 1.12-4047484-2 that includes 22 pages

The Issuing Authority **The CIML Member**

Dr. D. Ratschko
Head of Department

18.10.2010

Dr. R. Schwartz
Head of Division

18.10.2010

The load cells of the series BM6G are double bending 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	C3 MR	C4 MR
Maximum number of load cell intervals	n_{LC}		3000		4000
Rated output		mV/V	2		
Maximum capacity	E_{max}	kg	10 / 20 / 50 / 100 / 150 / 200 / 300 / 400 / 500		10 / 20 / 50
Minimum load cell verification interval	$v_{min} = (E_{max} / Y)$		E_{max} / 10000	E_{max} / 20000	E_{max} / 40000

Dead load: 0%·E_{max}; Safe overload: 150%·E_{max}; Input impedance: 350 Ω; Fraction: p_{LC} = 0.7

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