

Member State of OIML
Germany



OIML Certificate N°
R60/2000-DE1-10.02

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, C3MR

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.

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

No. 1.12 4044289-2 that includes 22 pages

The Issuing Authority



Dr. D. Ratschko
Oberregierungsrat

13.04.2010



The OIML Member



Dr. R. Schwartz
Direktor und Professor

13.04.2010

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
Maximum number of load cell intervals	n_{LC}	3000	
Rated output	mVV	2	
Maximum capacity	E_{max} kg	100 / 150 / 200 / 300 / 400 / 500	
Minimum load cell verification interval	$V_{min} = (E_{max} / Y)$	$E_{max} / 10000$	$E_{max} / 15000$
Minimum dead load output return	$DR = (1/2 E_{max} / Z)$	$1/2 E_{max} / 12000$	

Dead load: 0% E_{max} ; Safe overload: 150% E_{max} ; Input impedance: 380 Ω ; Fraction: $p_{LC} = 0.7$

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