

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate No.
R60/2000-DE1-10.09

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: BM8H

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 class C3

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

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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 Report

No. 1.12-4047316-1 that includes 22 pages

This OIML Basic Certificate based on results measured before participation of PTB in the OIML MAA.

The Issuing Authority

The OIML Member

Dr. D. Ratschko
Head of Department

Dr. R. Schwartz
Head of Division

17.11.2010

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The load cells of the series BM8H 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
Maximum number of load cell intervals	n_{LC}		3000
Rated output		mV/V	2
Maximum capacity	E_{max}	t	0.5 / 1 / 2
Minimum load cell verification interval	$V_{min} = (E_{max} / Y)$		$E_{max} / 7000$

Dead load: $0\% \cdot E_{max}$; Safe overload: $150\% \cdot E_{max}$; Input impedance: 1000 Ω ; Fraction: $p_{LC} = 0.7$

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