

OIML Member State
The Netherlands

Number R60/2000-NL1-12.11
Project number 12200100
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Zhonghang Electronic Measuring Instruments Co., Ltd.(ZEMIC) XinYuan Rd. North Zone of EDZ, Hanzhong, 723000 Shaanxi, China
Manufacturer	Zhonghang Electronic Measuring Instruments Co., Ltd.(ZEMIC) XinYuan Rd. North Zone of EDZ, Hanzhong, 723000 Shaanxi, China
Identification of the certified type	A bending beam or shear beam load cell Type : BM8D-xx-xx-xxx-xx Series
Characteristics	See next page

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R60 - Edition 2000 (E) for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
25 April 2012

C. Oosterman
Head Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see www.nmi.nl).



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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. NMI-10200947-09 dated 24 December 2010 that includes 59 pages;
- No. NMI-11200684-05 dated 24 October 2011 that includes 65 pages;
- No. NMI-12200100-01 dated 25 April 2012 that includes 52 pages.

Characteristics of the load cell:

Type		BM8D-xx-xxx-xxx-xx Series		
Load cell construction		Bending beam	Shear beam	
Humidity classification		CH	CH	CH
Fraction p_{ic}		0,7	0,7	0,7
Temperature range		-10 °C / +40 °C	-10 °C / +40 °C	-10 °C / +40 °C
Maximum capacity	E_{max}	150 kg up to and including 300 kg	500 kg up to and including 2500 kg	3000 kg up to and including 15000 kg
Accuracy class		C	C	C
Maximum number of load cell verification intervals	n_{max}	3000	6000	5000
Ratio of minimum LC verification interval	$Y = E_{max} / v_{min}$	15000	20000	20000
Ratio of minimum dead load output return	$Z = E_{max} / 2 * DR$	3000	6000	5000