Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-06.02
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name:	HBM Hottinger Baldwin Messtechnik GmbH
Address:	Im Tiefen See 45 64293 Darmstadt Germany

Manufacturer of the certified type is the applicant.

Identification of the certified type	Strain gauge bending beam load cell Type: PW15AH... 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; C3MI8

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. 1.12-4041935-1 that includes 23 pages
No. 1.12-4041935-2 that includes 18 pages

The Issuing Authority **The CIML Member**

Dr. D. Ratschko
Head of Department

13.10.2010

Dr. R. Schwartz
Head of Division

13.10.2010

The platform load cells of series PW15AH… are beam load cells with lateral parallel guiding and a centered bending eye made of stainless steel. The strain gauge application area is encapsulated hermetically.
The metrological characteristics for application in approved weighing instruments are listed in Table 1.

Accuracy class			C3	C3MR		C3MI8
Maximum number of load cell intervals	n_{LC}		3000			
Rated output		mV/V	2			
Maximum capacity	E_{max}	t	10 / 20 / 50 / 100	10[2] / 20[2]	50 / 100	10 / 20 / 50 / 100
Minimum load cell verification interval	v_{min} = (E_{max} / Y)		E_{max} / 5000	E_{max} / 20000	E_{max} / 10000	E_{max} / 10000
Minimum dead load output return	DR = (½ E_{max} / Z)		--	--		½ E_{max} / 8000

[2] Option Y = 25000

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.