

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R60/2000-DE1-06.02

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

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

Manufacturer of the certified type is the applicant.

Identification of the certified type

Strain gauge single point load cell

Type: PW15xH...

E_{\max} : 10 kg - 100 kg

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.

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The conformity was established by the results of tests and examinations provided in the associated Test Reports No. PTB1.12-4023659/10kg (23 pages) and PTB1.12-4023659/10kg (19 pages).

The Issuing Authority

Dr. P. Zervos
 Regierungsdirektor

14.09.2006

The CIML Member

Dr. R. Schwartz
 Direktor und Professor

14.09.2006

Identification of the pattern (continued)

The platform load cells of series PW15xH 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		C3				C3MR ¹⁾				C3MI8 ¹⁾				
Max. number of load cell intervals	n_{LC}	3000												
Maximum capacities	E_{max}	kg	10	20	50	100	10	20	50	100	10	20	50	100
Minimum load cell verification interval	v_{min}	g	2	5	10	20	1	2	5	10	1	2	5	10
Minimum dead load output return	DR (Z)		--								$\frac{1}{2} E_{max} / 8000$			

Minimum dead load $0\% * E_{max}$; safe load $\geq 150\% * E_{max}$; rated output 2 mV/V; input resistance 380 Ω ; fraction $p_{LC} = 0.7$

¹⁾ v_{min} is indicated on the nameplate.

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 Report(s) is not permitted, although either may be reproduced in full.