Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-08.01

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: PW4...

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.

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. PTB 1.12-4028642-2-0,3kg that includes 22 pages
No. PTB 1.12-402842-2kg that includes 22 pages

The Issuing Authority

Dr. P. Zervos
Direktor und Professor

12.03.2008

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The CIML Member

Dr. R. Schwartz
Direktor und Professor

12.03.2008

Identification of the pattern (continued)

The load cells (LC) of the series PW4... are single point load cells. They are made of aluminium, the strain gauge application is covered with silicone elastomer.

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	1		2	
Maximum capacity	E_{max}	kg	0.3	0.5	2	3
Minimum load cell verification interval	$v_{min} = (E_{max} / Y)$	1)	E_{max} / 6000	E_{max} / 5000	E_{max} / 10000	E_{max} / 6000

Max. dimensions of the platform	mm	200 x 200 2)

Dead load: 0%·E_{max}; Safe overload: 150%·E_{max}; Input impedance: 380 Ω

1) Y respectively v_{min} is indicated on the name plate
2) Independent of the accuracy class

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