

# 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.

# Physikalisch-Technische Bundesanstalt

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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

## The OIML Member

Dr. P. Zervos  
Direktor und Professor

Dr. R. Schwartz  
Direktor und Professor

12.03.2008

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 $\frac{v_{min}}{(E_{max} / Y)}$ | 1)   | $\frac{E_{max}}{6000}$  | $\frac{E_{max}}{5000}$ | $\frac{E_{max}}{10000}$ | $\frac{E_{max}}{6000}$ |  |
| Max. dimensions of the platform   | mm   | 200 x 200 <sup>2)</sup> |                        |                         |                        |  |

Dead load:  $0\% \cdot E_{max}$ ; Safe overload:  $150\% \cdot E_{max}$ ; Input impedance: 380  $\Omega$

<sup>1)</sup> Y respectively  $v_{min}$  is indicated on the name plate

<sup>2)</sup> Independent of the accuracy class

**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.