# Physikalisch-Technische Bundesanstalt

**Braunschweig und Berlin**

Member State of OIML
Germany

OIML Certificate No°
**R60/2000-DE1-10.06**

# OIML CERTIFICATE OF CONFORMITY

**Issuing Authority**

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

**Applicant**

| | |
|---|---|
| Name: | 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 single point load cell |
| | Type: PW27 |
| | 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 C3MR

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 Report and Test Report.

Report No. 1.12-4045438 that includes 6 pages
Test-Report No. 1.12-4045438-1 that includes 22 pages

**The Issuing Authority** **The CIML Member**

Dr. D. Ratschko
Head of Department

24.08.2010

Dr. R. Schwartz
Head of Division

24.08.2010

The load cells of the series PW27 are single point load cells made of stainless steel. The strain gauge application is hermetically sealed.

The metrological characteristics for application in approved weighing instruments are listed in table 1.

Table 1: Essential data

| | | | |
|---|---|---|---|
| Accuracy class | | | C3MR |
| Maximum number of load cell intervals | $n_{LC}$ | | 3000 |
| Rated output | | mV/V | 2 |
| Maximum capacity | $E_{max}$ | kg | 10 / 20 |
| Minimum load cell verification interval | $v_{min} = (E_{max} / Y)$ | | $E_{max}$ / 10000 |

Dead load: 0%·$E_{max}$; Safe overload: 150%·$E_{max}$; Input impedance: 380 Ω; Fraction: $p_{LC}$ = 0.7

*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 is not permitted, although either may be reproduced in full.