

Member State of OIML
Germany



OIML Certificate N°
R60/2000-DE1-01.02
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

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: **PW2**

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(es) D1 ÷ C6, MR, MI, $p_{LC} = 0,7$

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.: PTB-1.14-00049894-7,2kg (23 pages), No: PTB-1.14-00049894-12kg (20 pages) and No: PTB-1.14-00049894-36kg (16 pages).

This revision is issued for the extension of the accuracy up to C6, see Test-Reports No. PTB-1.12-4009971-7,2kg (27 pages) and No. PTB- PTB-1.12-4009971-12kg (19 pages).

The Issuing Authority



Dr. Schwartz
 Direktor und Professor

30.11.2004



The OIML Member



Prof. Dr. M. Kochsiek
 Vizepräsident

30.11.2004

The load cells of series PW2.. are double bending beam load cells made of aluminium, the strain gauge application is protected by plastic.

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

Table 1

Accuracy				D1	C3	C3 MI 6	C3 MI 7,5	C6		
Max. number of load cell intervals		n_{LC}		1000	3000	3000	3000	6000		
Maximum capacities		E_{max}	kg	7,2 / 12 / 18 / 36 / 72		-	-	12	18	7,2 / 36
Minimum load cell verification interval		V_{min} (E_{max} / Y)		$E_{max} / 2400$	$E_{max} / 7200$	-	-	$E_{max} / 12000$	$E_{max} / 9000$	$E_{max} / 7200$
Option MR	Maximum capacities	E_{max}	kg	-	7,2 / 12 / 18 / 36 / 72	12	7,2 / 18 / 36 / 72	7,2		18 / 36
	Min. load cell verification interval	V_{min} (E_{max} / Y)		-	$E_{max} / 18000$	$E_{max} / 18000$	$E_{max} / 18000$	$E_{max} / 14400$		$E_{max} / 18000$
Minimum dead load output return		DR ($\frac{1}{2} E_{max} / Z$)		$\frac{1}{2} E_{max} / 1000$	$\frac{1}{2} E_{max} / 3000$	$\frac{1}{2} E_{max} / 6000$	$\frac{1}{2} E_{max} / 7500$	$\frac{1}{2} E_{max} / 6000$		

Minimum dead load: $0\% * E_{max}$; Safe load $\geq 150\% * E_{max}$; Input resistance: 300 - 500 Ω ; Marking: without

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