Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-05.03

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 Germany

Manufacturer of the certified type is the applicant.

Identification of the certified type

Strain gauge single point load cell

Type: PW22

E_{max}: 6 kg ÷ 30 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 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.

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The conformity was established by the results of tests and examinations provided in the associated Test Report No. PTB-1.12-4016922/1 (22 pages) and Test Report No. PTB-1.12-4016922/2 (14 pages).

The Issuing Authority

Dr. R. Schwartz
Direktor und Professor

07.06.2005

The CIML Member

Prof. Dr. M. Kochsiek
Vizepräsident

07.06.2005

Identification of the pattern (continued)

The load cells of series PW22 are double bending beam load cells made of aluminium, the strain gauge application is protected by a plastic cover. In the center of the load cell a protection for over- and underloading is placed.

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

Table 1

Accuracy			C3				
Max. number of load cell intervals	n_{LC}		3000				
Maximum capacities	E_{max}	kg	6	10	20	25	30
Minimum load cell verification interval	v_{min} *) (E_{max} / Y)	g	0.5	1	2	2	2
Minimum load cell verification interval optional	$v_{min\ opt}$ *) (E_{max} / Y_{opt})	g	1	2	5	5	5

Minimum dead load 0% * E_{max}; safe load ≥ 150% * E_{max}; rated output 1.9 mV/V; input resistance 300 ÷ 500 Ω; fraction p_{LC} = 0.7; marking: without .
*) v_{min} respectively Y is indicated on the nameplate.

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