Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE-01.01

OIML CERTIFICATE OF CONFORMITY

Issuing authority:

Name:	Physikalisch-Technische Bundesanstalt
Address:	Bundesallee 100, D-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 pattern is the Applicant.

Identification of the certified pattern:	Digital strain-gauge compression load cell for self centering pendulum application
	Type: **C16 i**
	Further characteristics see page 2

This certificate attests the conformity of the above-mentioned pattern (represented by the 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 D1 to C4 , p_{LC} = 0,8

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Physikalisch-Technische Bundesanstalt

PTB

OIML Certificate N°
R60/2000-DE-01.01

The conformity was established by tests described in the associated Test Report N° 1.14-00061575 (33 pages).

The issuing authority

Dr. R. Schwartz
Regierungsdirektor

12. February 2001

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 40

The CIML member

Prof. Dr. M. Kochsiek
Vizepräsident

12. February 2001

Identification of the pattern (continued)

Load cells of the type C16i are compression load cells for self centering pendulum applications. Using the fitting elements of the manufacturer, the load cell is fixed against rotation. The one column load cell body and the housing are made of stainless steel. The strain-gauge application is hermetically sealed.

The analog signal of the strain gauge bridge is amplified, scaled and filtered by the integrated modul. The load cell is equipped with an interface RS485.

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

Table 1

Accuracy class		D1	C3		C4	
Max. number of load cell intervals	n_{LC}	1000	3000		4000	
Maximum capacities	E_{max}	20t / 30t / 40t / 60t	20t / 30t / 40t	60t	20t / 30t / 40t	60t
Minimum LC verification interval	v_{min} (E_{max} / Y)	E_{max} / 5000	E_{max} / 10000	E_{max} / 12000	E_{max} / 10000	E_{max} / 12000

Minimum dead load: 0% * E_{max} ; Safe load: ~ 150% * E_{max}

Important note: Apart from the mention of the certificate's reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.