

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML  
Germany



OIML Certificate N°  
**R60/2000-DE1-08.14**

## OIML CERTIFICATE OF CONFORMITY

### Issuing Authority

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

### Applicant

Name: Sartorius Mechatronics T & H GmbH  
Address: Meiendorfer Str. 205, 22145 Hamburg  
  
Germany

Manufacturer of the certified type is the applicant.

### Identification of the certified type

Load Cell  
Digital strain gauge weighbridge load cell

Type: PR6224/..

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 classes C3 ; C6

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. 1.12-4037644-1 that includes 33 pages

## The Issuing Authority

Dr. P. Zervos  
 Direktor und Professor

10.12.2008

## The OIML Member

Dr. R. Schwartz  
 Direktor und Professor

10.12.2008

The load cells (LC) of the series PR6224/.. are compact compression load cells for self-centering pendulum applications. The strain gauge application is hermetically sealed; the deep-drawn and micro plasma welded housing is made of stainless steel and filled with inert gas. 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: Essential data

Accuracy class			C3	C6
Maximum number of load cell intervals	$n_{LC}$		3000	6000
Maximum capacity	$E_{max}$	t	12.5 / 20 / 25 / 30 / 50 / 60	
Minimum load cell verification interval	$Y = (E_{max} / v_{min})$		14000	20000
Minimum dead load output return	$DR = (\frac{1}{2} E_{max} / Z)$		$\frac{1}{2} E_{max} / 3000$	$\frac{1}{2} E_{max} / 8000$

Dead load:  $0\% \cdot E_{max}$ ; Fraction:  $p_{LC} = 0.8$

The safe overload is listed in the data sheet of the manufacturer page E - 2.

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