

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML  
Germany



OIML Certificate No.  
**R76/1992-DE1-98.04**  
Revision 4

## OIML CERTIFICATE OF CONFORMITY

### Issuing Authority

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

### Applicant

Name: Sartorius Lab Instruments GmbH & Co. KG  
Address: Weender Landstr. 94-108, 37075 Göttingen  
Germany

Manufacturer of the certified type is the applicant.

**Identification of the certified type** Nonautomatic electromechanical weighing instrument  
Type: BD BH 110, DS BH 310, DT BH 210, DT BH 310

Further characteristics see pages 2 and 3

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):

**R76-1**, edition 1992, including Amendment 1 (1994),  
for accuracy class **I** **II** and **III**

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 tests described in the report No. 1.12-4010127 and the associated test reports No. 1.12-4010127/1, No. 1.12-4010127/2, No. 1.12-4010127/3 and No. 1.12-4010127/4. The test results of the former test reports Mo. 1.14-98.281, 1.14-99017618 and 1.14-00021194 remain valid.

The above-mentioned OIML certificate is transferred from the old owner of the certificate

Sartorius AG  
Weender Landstraße 94-108  
37075 Göttingen  
Germany

to the new owner of the certificate

Sartorius Lab Instruments GmbH & Co. KG  
Weender Landstraße 94-108  
37075 Göttingen  
Germany

## The Issuing Authority

Dr. O. Mack  
Head of Working Group

04.09.2013

## The OIML Member

Dr. R. Schwartz  
Head of Division

04.09.2013

## Identification of the pattern (continued)

The weighing instrument consists of a weighing platform with one load cell of electromagnetic force compensation (class **I**) or one strain-gauge load cell (class **II** and **III**) and of an incorporated indicating device for displaying the weighing results, and of a keypad to operate the instrument.

The weighing ranges with Max, Min, e, d and number of verification scale intervals may be chosen within the limits of No. 3.2 of R 76-1 and of the table 1.

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Table 1

Type	BD BH 110	DS BH 310	DT BH 210	DT BH 310
Class	I	III	II	III
Weighing pan size ≤	Ø80mm Ø90mm	147x178mm Ø150mm	Ø116mm	Ø116mm
Max	50...210g	500...1200g	500...510g	50...120g
e =	1mg...2mg	1g...2g	0,1g	0,1g...0,2g
d =	0,1mg...2mg	1g...2g	0,01g	0,1g...0,2g
n ≤	210000	1200	5100	1200
Tare-balancing range ≤	100% of Max			
Temperature range	+15 °C/+25 °C	+10 °C/+40 °C	+10 °C/+30 °C	+10 °C/+40 °C
Nominal capacity of the load receptor <sup>1)</sup>	252g	1500g	610g	610g
Initial zero setting + dead load ≤	202g	1000g	110g	560g

<sup>1)</sup> The sum of Max, initial zero-setting range and the dead load shall not exceed the nominal capacity of the load receptor.

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