

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R76/1992-DE1-06.01
Revision 2

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Sartorius AG
Address: Weender Landstr. 94-108, 37075 Göttingen

Manufacturer of the certified type is the applicant.

Identification of the certified type

Nonautomatic electromechanical weighing instrument
Type: BD ED 100, BD ED 200

Further characteristics see page 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 classes **I** **II**

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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This Revision 2 was issued because of new variants of the housing of type BD ED 100 and BD ED 200 and changed electronic components.

The conformity was established by tests described in the Report N° 1.12-4022009 (10 pages) and the associated Test Reports N° 1.12-4022009/1 (34 pages), N° 1.12-4022009/2 (137 pages), N° 1.12-4022009/3 (9 pages), N° 1.12-4022009/4 (13 pages), N° 1.12-4022009/5 (13 pages), N° 1.12-4022009/9 (20 pages), N° 1.12-4022009/10 (20 pages) and N° 1.12-4022009/12 (20 pages). The Test Reports N° 1.12-4022009/6 (11 pages), N° 1.12-4022009/7 (11 pages), N° 1.12-4022009/8 (20 pages), N° 1.12-4022009/9 (20 pages) N° 1.12-4022009/10 (20 pages), N° 1.12-4022009/11 (20 pages) and N° 1.12-4022009/12 (20 pages) include merely additional information.

The Issuing Authority

Dr. P. Zervos
Regierungsdirektor

04.07.2007

The OIML Member

Dr. R. Schwartz
Direktor und Professor

04.07.2007

Identification of the pattern (continued)

Weighing instrument with built-in display, keyboard and interface.

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 R76-1 and of tables 1 or 2.

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Table 1

Type	BD ED 100		
Accuracy Class	Ⓡ		
Max	50 g ... 240 g		
e	1 mg ... 2 mg		
d	0,1 mg ... 2 mg		
n ≤	240000		
Tare-balancing range ≤	100% of Max		
Temperature range	A range of 5°C up to 10°C within the limits of +15 °C up to +27 °C		
Nominal capacity of the load receptor	288 g		
Initial zero setting + dead load ≤ ¹⁾	238 g		

Table 2

Type	BD ED 200		
Accuracy Class	Ⓡ		
Max	1 g ... 620 g	500 g ... 6200 g	5000 g ... 8200 g
e	0,01 g ... 0,1 g	0,1 g ... 1 g	1 g
d	0,001 g ... 0,1 g	0,01 g ... 1 g	0,1 ... 1 g
n ≤	62000	62000	8200
Tare-balancing range ≤	100% of Max		
Temperature range	+10 °C / +30 °C		
Nominal capacity of the load receptor	744 g	7440 g	9840 g
Initial zero setting + dead load ≤ ¹⁾	743 g	6940 g	4840 g

- ¹⁾ 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.