

Member State of OIML
Germany



OIML Certificate No.
R76/2006-DE1-08.03
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Sartorius Wägetechnik
Address: Weender Landstr., 37073 Göttingen, Germany

Manufacturer of the certified type is the applicant.

Identification of the certified type Nonautomatic electromechanical weighing instrument with or without lever system
Type: BD SI 200, BG SI 200, DG SI 300, DX SI 300

Further characteristics see tables 1 to 4 in 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 2006

for accuracy classes   

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 1 was issued because new weighing instruments type BD SI 200 and variants in stainless steel were added. The conformity was established by tests described in the report N° 1.12-4036945, Revision 1, and the associated test reports No. 1.12-4036945/6, No. 1.12-4036945/7 and No. 1.12-4036945/8 (all BD SI 200). The test results of the former test reports No. 1.12-4036945/6 (Samples 1-4, BG SI 200), No. 1.12-4036945/7 (Samples 1-4, DG SI 300), No. 1.12-4036945/8 (Samples 1-6, BG SI 200), No. (Samples 1-5, DG SI 300), No. 1.12-4036945/5 (Sample 1, DX SI 300) remain valid.

The Issuing Authority



Dr. D. Ratschko
 Head of Department

30.08.2010



The CIML Member



Dr. R. Schwartz
 Head of Division

30.08.2010

Table 1

Type	BD SI 200	
Accuracy Class	(II)	
Max	1 g ... 620 g	500 g ... 6100 g
e	0,01 g ... 0,1 g	0,1 g ... 1 g
d	0,001 g ... 0,1 g	0,01 g ... 1 g
n ≤	62000	61000
Tare-balancing range ≤	100% of Max	
Temperature range	10 °C / 30 °C	
Nominal capacity of the load receptor	744 g	7320 g
Initial zero setting + dead load ≤ ¹⁾	743 g	6820 g

Table 2

Type	BG SI 200	
Accuracy Class	(II)	
Max	2.5 kg ... 15 kg	5 kg ... 35 kg
e	0.5 g ... 2 g	1 g ... 5 g
d	0.5 g ... 2 g	0.1 g ... 5 g
n ≤	30000	35000
Tare-balancing range ≤	100% of Max	
Temperature range	10 °C / 30 °C	
Nominal capacity of the load receptor	21 kg	41 kg
Initial zero setting + dead load ≤ ¹⁾	18.5 kg	36 kg

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

Table 3

Type	DG SI 300			
Accuracy Class	(III)			
Max	0.1 kg ... 6 kg	0.2 kg ... 15 kg	2.5 kg ... 35 kg	5 kg ... 60 kg
e	1 g ... 10 g	2 g ... 20 g	5 g ... 50 g	10 g ... 100 g
n ≤	6000	7500	7000	6000
Multiple range instrument (Max _i /e _i) ≤	3000	3000	3500	3000
Tare-balancing range ≤	100% of Max			
Temperature range	-10 °C / +40 °C			
Nominal capacity of the load receptor	7.8 kg	19.5 kg	44 kg	78 kg
Initial zero setting + dead load ≤ ¹⁾	7.7 kg	19.3 kg	41.5 kg	73 kg

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

Table 4

Type	DX SI 300		
Accuracy Class		(III)	(IIII)
Max		0.5 kg ... 300 t	0.5 kg ... 300 t
Number of verification scale intervals			
Single range instrument	Max/e	n ≤	6125
Multiple range instrument	Max _i /e _i	n _i ≤	3125
Multi-interval instrument	Max _i /e _i	n _i ≤	3125
Multi-interval instrument	Max _i /e _i	n ₁ ≤	6250
Tare-balancing range			100 % of Max
Preset tare range			100 % of Max ¹⁾ 100 % of Max ₁ ²⁾
Temperature range			-10 °C / +40 °C

¹⁾ This applies to each range of single- and multiple range instruments

²⁾ This applies only to multi-interval instruments

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