

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate No.
R76/1992-DE1-01.08
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: BC BL 100, BD BL 100, BD BL 200, BF BL 500

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) (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 the results of tests and examinations provided in the associated (Test-) Reports

No. 1.14-01059339, 4 th revision	(7 pages)
No. 1.14-01059339/1	(43 pages)
No. 1.14-01059339/5	(43 pages)

The test results of the former test reports No. 1.14-01059339/1, No. 1.14-01059339/2, No. 1.14-01059339/3, No. 1.14-01059339/4, No. 1.14-01059339/5, No. 1.14-01059339/6 and No. 1.14-01059339/7 remain valid.

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

Sartorius AG
Weender Landstraße 94-108
37075 Göttingen

to the new owner of the certificate

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

The Issuing Authority

Dr. O. Mack
Head of Working group

03.09.2013

The OIML Member

Dr. R. Schwartz
Head of Division

03.09.2013

Identification of the pattern (continued)

The weighing instrument is equipped with built-in, front-mounted or separate display, keyboard and interface. The weighing instrument may be designed with two indicating devices. The type BC BL 100 may have parts of the electronics arranged in a separate housing.

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 and 2.

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Table 1

Type	BC BL 100		BD BL 100		BD BL 200		
Accuracy Class	I		I		II		
Max	≤ 21 g	50 g ...320 g	50 g ...320 g	500 g ...1200 g	1 g ...620 g	500 g ...6200 g	5000 g ...10000 g
e	1 mg	1 mg ...5 mg	1 mg ...5 mg	10 mg ...20 mg	10 mg ...100 mg	0,1 g ...1 g	1 g
d	0,002 mg ...0,05 mg	0,01 mg ...5 mg	0,1 mg ...5 mg	1 mg ...20 mg	1 mg ...100 mg	0,01 g ...1 g	0,1 g ...1 g
n ≤	21000	320000	320000	120000	62000	62000	10000
Tare-balancing range ≤	100% of Max						
Temperature range	15 °C / 25 °C		15 °C / 25 °C		10 °C / 30 °C		
Temperature range ¹⁾	0 °C / +40 °C (only Max ≤ 220g)		+10 °C / +40 °C	0 °C / +40 °C	0 °C / +40 °C	0 °C / +40 °C	0 °C / +40 °C
Nominal capacity of the load receptor	22 g	384 g	384 g	1250 g	744 g	7440 g	12000 g
Initial zero setting + dead load ≤ ²⁾	22 g	334 g	334 g	750 g	743 g	6940 g	7000 g

¹⁾ Only for weighing instruments with incorporated span adjustment device with automatic release.

²⁾ The sum of Max, initial zero-setting range and the dead load shall not exceed the nominal capacity of the load receptor.

Table 2

Type	BF BL 500	
Accuracy Class	II	III
Max	5000 g ... 34000 g	100 g... 34000 g
e	1 g...5 g	1 g...50 g
d	0,1 g...5 g	d=e
n ≤ ¹⁾	34000	10000
n _i ≤ ²⁾	not applicable	10000
Max / e ₁ ≤ ²⁾	not applicable	34000
Tare-balancing range ≤	100% of Max	
Temperature range	0 °C / 35 °C	0 °C / 35 °C
Temperature range ³⁾	0 °C / +40 °C	0 °C / +40 °C
Nominal capacity of the load receptor	40800 g	40800 g
Initial zero setting + dead load ≤ ⁴⁾	35800 g	40700 g

¹⁾ This applies to single range instruments

²⁾ This applies only to multi-interval instruments

³⁾ Only for weighing instruments with incorporated span adjustment device with automatic release

⁴⁾ 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.