Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate No.
R76/1992-DE1-00.09
Revision 8

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name:	Sartorius Industrial Scales GmbH & Co. KG
Address:	Leinetal 2 37120 Bovenden Germany

Manufacturer of the certified type is the applicant.

Identification of the certified type	Nonautomatic electromechanical weighing instrument Type: iso-TEST: Indicating and operator terminals: Types YAC01..., YAC02…, TN, TN-X and isi... Weighing modules: Types BD BF, BC BF, BF BF, BE BK, HC BF, HA BD, KC BN and YCO02IS-0CE

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) (III) (IIII)

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.

R3-0033

Physikalisch-Technische Bundesanstalt

OIML Certificate No.
R76/1992-DE1-00.09
Revision 8

The conformity was established by tests described in the report N° 1.14 - 00029241 Revision 8 and the associated test report N° 1.14 - 00029241/16. The test results of the former test reports N° 1.14 - 00029241/1, N° 1.14 - 00029241/2, N° 1.14 - 00029241/3, N° 1.14 - 00029241/4, N° 1.14 - 00029241/5, N° 1.14 - 00029241/6, N° 1.14 - 00029241/7, N° 1.14 - 00029241/8, N° 1.14 - 00029241/9, N° 1.14 - 00029241/10, N° 1.14 - 00029241/11, N° 1.14 - 00029241/12, N° 1.14 - 00029241/13, N° 1.14 - 00029241/14 and N° 1.14 - 00029241/15 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 Industrial Scales GmbH & Co. KG
Leinetal 2
37120 Bovenden
Germany

The Issuing Authority

Dr. O. Mack
Head of Working group

03.09.2013

The CIML Member

Dr. R. Schwartz
Head of Division

03.09.2013

Identification of the pattern (continued)

The weighing instrument consists of a weighing platform with one electromagnetic force compensation load cell or one or more strain gauge load cells and of an indicating device for displaying the weighing results, and of a keypad to operate the instrument. All indicating and operator terminals and weighing modules mentioned may be combined.

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.

Physikalisch-Technische Bundesanstalt

OIML Certificate No.
R76/1992-DE1-00.09
Revision 8

Table 1

Type	BD BF					BC BF	YCO02IS-0CE	
Class	(I)	(II)			(III)	(I)	(III)	(IIII)
Max	0,5 kg ...1,2 kg	50 g ...620 g	0,5 kg ...8,2 kg	2,5 kg ..12,1 kg	0,25 kg ...12,1 kg	50 g 310 g	3 kg ...300 t	3 kg ...300 t
N ≤ [1]	120000	62000	82000	24200	6200	310000	6250	1000
n_i ≤ [2]	---				3000	---	3100	1000
Max/e_1 [2]	---				12400	---	15500	5000
Tare-balancing range	100% of Max					100% of Max	100% of Max	
Temperature range	+ 15 °C / + 25 °C	+ 10 °C / + 30 °C			0 °C / + 40 °C	+ 15 °C / + 25 °C	- 10 °C / + 40 °C	
Temperature range [3]	0 °C / + 40°C				---	0 °C / + 40 °C	---	

Type	HC BF		HA BD		BF BF			
Class	(II)	(III)	(II)	(III)	(II)		(III)	
Max	50 kg ...300 kg	5 kg ...300 kg	50 kg ...64 kg	2,5 kg ...64 kg	5 kg ...34 kg	5 kg ...64 kg	0,5 kg ...34 kg	1 kg ...64 kg
n ≤ [1]	15000	10000	5000 ...6400	500 ...6400	34000	64000	10000	10000
n_i ≤ [2]	---	3000	---	3200	---		10000	10000
Max/e_1 [2]	---	15000	---	12800	---		34000	32000
Tare-balancing range	100 % of Max		100 % of Max		100 % of Max			
Temperature range	0 °C / + 40 °C		0 °C / + 40 °C		0 °C / + 40 °C			
Temperature range [3]	0 °C / + 40 °C		---		0 °C / + 40 °C			

Type	BE BK	KC BN
Class	(I)	(I)
Max	≤ 610 g	≤ 5,1 g
n ≤ [1]	610000	5100
Tare balancing range	100% of Max	100% of Max
Temperature range	+ 15 °C / + 25 °C (Max ≤ 410 only)	+ 15 °C/ + 25 °C
Temperature range [3]	0 °C / + 40 °C	0 °C / + 40 °C

[1] This applies to each range of single- and multiple range instruments
[2] This applies only to multi-interval instruments
[3] Only for weighing instruments with incorporated span adjustment device with automatic release