

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R76/1992-DE-03.01
Revision 2

OIML CERTIFICATE OF CONFORMITY

Issuing authority

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

Applicant:

Name: seca gmbh & co. kg.
Address: Hammer Steindamm 9-25,
22089 Hamburg
Germany

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern: Nonautomatic electromechanical weighing instruments without lever systems
Types 635x1, 635x2, 645x1, 645x2, 657x1, 657x2, 665x2, 665x1, 675x1, 675x2, 677x1, 677x2, 685x1, 685x2

Further characteristics see page 2 and 3

This certificate attests the conformity of the above-mentioned pattern (represented by the 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 **(III)**

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

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This revision 2 was issued because the new models 657x1, 657x2, 677x1 and 677x2 were added and the name of the applicant Vogel & Halke GmbH & Co. KG is changed to seca gmbh & co. kg. The new models are described in the report N° 1.14 – 02001255 / revision 2. The test results of the former test report N° 1.14-02001255 dated 04.04.2003 remain valid.

The issuing authority

The CIML member

Dr. R. Schwartz
 Direktor und Professor

Prof. Dr. M. Kochsiek

21.06.2006

21.06.2006

Identification of the pattern (continued)

The weighing instruments consist of a weighing platform with four strain gauge planar beam load cells and of an indicating and operation unit for displaying the weighing results and operate the instruments.

The weighing ranges with Max, Min, e 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 and 2.

Table 1

Accuracy class	(III)							
Type	665x2	665x1	635x2	635x1	645x2	645x1	657x2	657x1
Indication operation unit	on a hinged stem	on a hinged stem	remote control stand alone or wall mounted	remote control stand alone or wall mounted	fixed on a railing stem	fixed on a railing stem	remote control	remote control
Min (Min ₁ Min ₂)	2 kg 4 kg	4 kg	2 kg 4 kg	4 kg	2 kg 4 kg	4 kg	2 kg 4 kg	4 kg
Max (Max ₁ Max ₂)	200 kg 300 kg	300 kg	200 kg 300 kg	300 kg	200 kg / 300 kg	300 kg	200 kg / 300 kg	300 kg
e (e ₁ e ₂)	0,1 kg 0,2 kg	0,2 kg	0,1 kg 0,2 kg	0,2 kg	0,1 kg 0,2 kg	0,2 kg	0,1 kg 0,2 kg	0,2 kg
n (n ₁ n ₂)	2000 1500	1500	2000 1500	1500	2000 1500	1500	2000 1500	1500
Tare balancing range, subtr. Preset tare range	Max _i		Max _i		Max _i		Max _i	
Platform size	1102 mm x 985 mm				750 mm x 750 mm		1247 mm x 800 mm	
Temperature range	+ 10 °C ...+ 40 °C							
Zero-setting range	± 60 kg							

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Table 2

Accuracy class	III					
Type	675x2	675x1	677x2	677x1	685x2	685x1
Indication operation unit	remote control	remote control	fixed on a railing stem	fixed on a railing stem	fixed on a rail	fixed on a rail
Min (Min ₁ Min ₂)	2 kg 4 kg	4 kg	2 kg 4 kg	4 kg	2 kg 4 kg	4 kg
Max (Max ₁ Max ₂)	200 kg 300 kg	300 kg	200 kg 300 kg	300 kg	200 kg 300 kg	300 kg
e (e ₁ e ₂)	0,1 kg 0,2 kg	0,2 kg	0,1 kg 0,2 kg	0,2 kg	0,1 kg 0,2 kg	0,2 kg
n (n ₁ n ₂)	2000 1500	1500	2000 1500	1500	2000 1500	1500
Tare balancing range, subtr. Preset tare range	Max _i		Max _i		Max _i	
Platform size	1102 mm x 985 mm					
Temperature range	+ 10 °C ...+ 40 °C					
Zero-setting range	± 60 kg					

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