

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate No.
R51/2006-DE1-07.07
Revision 2

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Mettler-Toledo Garvens GmbH
Address: Kampstr. 7, 31180 Giesen

Manufacturer of the certified type is the applicant.

Identification of the certified type Automatic catchweighing instrument
Type: AB C

Further characteristics see page 2

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):

R51-1, edition 2006
for accuracy classes XII($x < 1$), XIII(1), XIII(x ≥ 2), Y(II), Y(a) and Y(b)

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 Report

No 1.12-4032862 (31 pages; 1st revision)

and Test Reports

No. 1.12-4032862/1	(41 pages),
No. 1.12-4032862/2	(45 pages),
No. 1.12-4032862/3	(40 pages),
No. 1.12-4032862/4	(49 pages),
No. 1.12-4032862/5	(70 pages),
No. 1.12-4032862/6	(13 pages),
No. 1.12-4032862/7	(13 pages),
No. 1.12-4032862/8	(63 pages)
No. 1.12-4032862/9	(63 pages)
No. 1.12-4032862/10	(16 pages)
No. 1.12-4032862/11	(16 pages)
No. 1.12-4032862/12	(39 pages)
No. 1.12-4032862/13	(32 pages)
No. 1.12-4032862/14	(50 pages)
No. 1.12-4032862/15	(37 pages)
No. 1.12-4032862/16	(50 pages)

The Issuing Authority

Dr. D. Ratschko
Head of Department

31.08.2011

The CIML Member

Dr. R. Schwartz
Head of Division

31.08.2011

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Identification of the pattern (continued)

Automatic electromechanical weighing instrument as

- catchweigher,
 - weigh price labeller,
 - weigh labeller or
 - checkweigher,
- equipped
- with electrodynamic force compensation load cell or
 - with strain gauge load cell
- and performed as
- single or multi interval instrument.

Design	Single- or multi-interval instrument			
Lever work	None			
Weighing mode	Static weighing		Dynamic weighing	
Number of intervals	≤ 4		≤ 2	
Accuracy class	XII(x); x < 1 XIII(x); x = 1 XIII(x); x ≥ 2	Y(II) Y(a), Y(b)	XIII(x); x = 1 XIII(x); x ≥ 2	Y(a), Y(b)
Verification scale interval e	$e_1 \geq 0,05 \text{ g}$		$e_1 \geq 0,1 \text{ g}$	
Ratio between verification scale intervals	$\frac{e_{i+1}}{e_i} < 3$			
Number n of verification scale intervals	$\leq 4 \cdot 10000$		$\leq 2 \cdot 10000$	
Maximum load Max	$\leq 600 \text{ kg}$			
Minimum load Min	$\geq 20 e_1$		$\geq 3 \text{ g}$	
Temperature range	$0^\circ\text{C} / +40^\circ\text{C}$			
Maximum belt speed	$\leq 3,0 \text{ m/s}$			

Table 1: Technical data of weighing instruments of the type series AB C

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