

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML  
Germany



OIML Certificate N°  
**R51/1996-DE1-05.01**

## OIML CERTIFICATE OF CONFORMITY

### Issuing Authority

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

### Applicant

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

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 1996  
for accuracy classes X(1) and Y(a)

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. 1.12-4016790 (16 pages)  
and Test Reports  
No. 1.12-4016790/1 (37 pages),  
No. 1.12-4016790/2 (42 pages),  
No. 1.12-4016790/3 (37 pages) and  
No. 1.12-4016790/4 (48 pages).

## The Issuing Authority

Dr. R. Schwartz  
Direktor und Professor

2006-01-25

## The CIML Member

Prof. Dr. M. Kochsiek  
Vizepräsident

2006-01-25

## Identification of the pattern (continued)

Automatic electromechanical weighing instrument as

- catchweigher,
  - weigh price labeller,
  - weigh labeller or
  - checkweigher,
- equipped
- without external lever work and
  - with electrodynamic force compensation load cells (EFC-LC)
- and performed as
- single or multi interval instrument.

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Weighing mode	Static weighing		Dynamic weighing	
	X(1)	Y(a)	X(1)	Y(a)
Accuracy class	X(1)	Y(a)	X(1)	Y(a)
Verification scale interval e	e ≥ 0,1 g			
Ratio between verification scale intervals	$\frac{e_{i+1}}{e_i} \leq 3$			
Number n of verification scale intervals	≤ 2 • 10000		≤ 7500	
Maximum load Max	≤ 2000 g			
Minimum load Min	≥ 20e		≥ 5 g	
Temperature range	0 °C / +40 °C			
Maximum belt speed	≤ 2,5 m/s			

**Table 1: Metrological data of the instrument with EFC-LC of the type BF2-L**

Weighing mode	Static weighing		Dynamic weighing	
	X(1)	Y(a)	X(1)	Y(a)
Accuracy class	X(1)	Y(a)	X(1)	Y(a)
Verification scale interval e	e ≥ 0,1 g			
Ratio between verification scale intervals	$\frac{e_{i+1}}{e_i} \leq 3$			
Number n of verification scale intervals	≤ 3 • 10000/8000		≤ 2 • 7500	
Maximum load Max	≤ 8000 g		≤ 7500 g	
Minimum load Min	≥ 20e		≥ 5 g	
Temperature range	0 °C / +40 °C			
Maximum belt speed	≤ 2,5 m/s			

**Table 2: Metrological data of the instrument with EFC-LC of the type BF8-L**

Weighing mode	Static weighing		Dynamic weighing	
	X(1)	Y(a)	X(1)	Y(a)
Accuracy class	X(1)	Y(a)	X(1)	Y(a)
Verification scale interval e	e ≥ 0,2 g			
Ratio between verification scale intervals	$\frac{e_{i+1}}{e_i} \leq 3$			
Number n of verification scale intervals	≤ 4 • 10000		≤ 2 • 7500	
Maximum load Max	≤ 20 kg		≤ 15 kg	
Minimum load Min	≥ 20e		≥ 10 g	
Temperature range	0 °C / +40 °C			
Maximum belt speed	≤ 2,5 m/s			

**Table 3: Metrological data of the instrument with EFC-LC of the type BF20-L or BF20-L-P-I**

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