

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R51/2006-DE1-07.03

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: Bizerba GmbH & Co. KG
Address: Wilhelm-Kraut-Str. 65
72336 Balingen
GERMANY

Manufacturer of the certified type is the applicant.

Identification of the certified type

Checkweigher
Type: CWE ...

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 XIII(1) and XIII(x ≥ 2)

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. 1.12-4029582 (14 pages)
and associated Test Reports
No. 1.12-4029582/1 (67 pages),
No. 1.12-4029582/2 (15 pages) and
No. 1.12-4029582/3 (66 pages).

The Issuing Authority

Dr. P. Zervos
Direktor und Professor

2007-11-12

The CIML Member

Dr. R. Schwartz
Direktor und Professor

2007-11-12

Identification of the pattern (continued)

Automatic electromechanical weighing instrument designed as checkweigher and equipped without external lever work and with strain gauge load cells (SG-LC) and performed as single or multi interval instrument or single or multiple range instrument.

Common specifications

- Mode of operation: Start-Stop operation or operation in motion
- Power supply voltage: 120/220-240 V AC, 50/60 Hz
- Category: XIII(1); XIII(x ≥ 2)
- Number of ranges/intervals: 2^{2) 3)}
- Ratio between verification scale intervals: $\frac{e_{i+1}}{e_i} < 3$ 1) 2)
- Tare: $T \leq -0,5 \cdot \text{Max}$ 3)

- 1) This applies to multiple range instruments.
- 2) This applies to multi-interval instruments.
- 3) This specification applies only to weighing instruments with parameters being generally valid over the complete weighing range for all products and weighing in motion (dynamic weighing). For single products having especially their own **product data storage** and/or their own product-specific parameters greater tare loads are allowed if they are approved by the LMC.

Specifications depending on the module used

Category	XIII(1), XIII(x ≥ 2)
Maximum belt speed v_{max}	$\leq 2,16 \text{ m/s}$ ⁴⁾
Number n of verification scale intervals	$\leq 2 \cdot 3000$ ^{1) 2)} ≤ 3000
Verification scale interval e	$\geq 0,5 \text{ g}$
Maximum load Max	$\leq 6 \text{ kg}$
Minimum load Min	$\geq 25 \text{ g}$
Temperature range	0 °C / +40 °C

Tab. 1: Technical data of the weighing modules of type WS5CN and WS10CN

4) The maximum belt speed v_{max} depends on the maximum load Max and the load L as follows:

- In case of Max = 3 kg: $v_{max} \leq 2 \text{ m/s}$ für $L \leq 1 \text{ kg}$
 $v_{max} \leq -0,333 \text{ m/s} \cdot L / \text{kg} + 2,333 \text{ m/s}$ for $L > 1 \text{ kg}$
- In case of Max ≥ 6 kg: $v_{max} \leq 2 \text{ m/s}$ für $L \leq 2 \text{ kg}$
 $v_{max} \leq -0,167 \text{ m/s} \cdot L / \text{kg} + 2,333 \text{ m/s}$ for $L > 2 \text{ kg}$

Category	XIII(1), XIII(x ≥ 2)
Maximum belt speed v_{max}	$\leq 1,47 \text{ m/s}$
Number n of verification scale intervals	$\leq 6000 / 5000$ ^{1) 2)} ≤ 6000
Verification scale interval e	$\geq 1 \text{ g}$
Maximum load Max	$\leq 15 \text{ kg}$
Minimum load Min	$\geq 50 \text{ g}$
Temperature range	0 °C / +40 °C

Tab. 2: Technical data of the weighing modules of type WS10CW

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.