Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R51/1996-DE-98.01
Revision 4

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name:	OCS Checkweighers GmbH
Address:	Max-Planck-Str. 7 74523 Schwäbisch Hall GERMANY

Manufacturer of the certified type is the applicant.

Identification of the certified type

Automatic catchweighing instrument
Type: EC … and HC …

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.

R3-0033

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This fourth revision is issued because the metrological characteristics of this instrument, especially the belt speed, have been improved and a new weighing method, the difference weighing method, has been added.

The conformity was established by the results of tests and examinations provided in the associated Report

No. 1.12-4014140, Revision 2 (18 pages),

and associated Test Reports

No. 1.12-4014140/1	(46 pages),
No. 1.12-4014140/2	(22 pages),
No. 1.12-4014140/3	(28 pages),
No. 1.14-97.526	(50 pages),
No. 1.14-4010564	(30 pages) and
No. 1.14-03000143	(14 pages).

The Issuing Authority

Dr. R. Schwartz
Direktor und Professor

2005-12-05

The CIML Member

Prof. Dr. M. Kochsiek
Vizepräsident

2005-12-05

Identification of the pattern (continued)

Automatic electromechanical weighing instrument as
- catchweigher,
- weigh price labeller,
- weigh labeller or
- checkweigher,

equipped
- with or 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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Accuracy class	X(1)		Y(a)	
Number n of verification scale intervals	≤ 2 • 5000	≤ 7500	≤ 7500	≤ 3750
Verification scale interval e_i	≥ 0,1 g			≥ 0,2 g
Ratio of two successive verification scale intervals	$\frac{e_i}{e_{i+1}} < 3$			
Maximum load Max	≤ 15000 g			
Minimum load Min	≥ 2 g			
Belt speed	≤ 1,67 m/s		≤ 1,33 m/s	≤ 1,67 m/s
Throughput	≤ 500 pcs/min			
Maximum platform size in mm x mm	600x400			
Preset tare, subtractive (PT-)	≤ Max			
Temperature range	5 °C / 40 °C			

Table 1: Metrological data of the instrument with EFC-LC of the type series EC

Accuracy class	X(1)		Y(a)		
Number n of verification scale intervals	≤ 3 • 6000	≤ 1750/2400	≤ 3 • 6000	≤ 3500/3250/2400	≤ 6000
Verification scale interval e_i	≥ 1 g	≥ 2 g	≥ 1 g		≥ 2 g
Ratio of two verification scale intervals (multi interval instrument)	$\frac{e_i}{e_{i+1}} < 3$				
Maximum load Max	≤ 150 kg				
Minimum load Min	≥ 600 g	≥ 78 g	≥ 5 g		
Belt speed	≤ 1,33 m/s	≤ 2,0 m/s	≤ 1,0 m/s	≤ 2,0 m/s	
Throughput	≤ 600 pcs/min				
Maximum platform size in mm x mm	2000x1200				
Preset tare, subtractive (PT-)	≤ Max				
Temperature range	5 °C / 40 °C				

Table 2: Metrological data of the instrument with EFC-LC of the type series IW-B

Further details are given in the above-mentioned Report and Test Reports.

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.