

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML  
Germany



OIML Certificate No.  
**R76/1992-DE1-07.07**  
Revision 1

## OIML CERTIFICATE OF CONFORMITY

### Issuing Authority

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

### Applicant



Name: Schenck Process GmbH  
Address: Pallaswiesenstr. 100, 64293 Darmstadt  
GERMANY

Manufacturer of the certified type is the applicant.

**Identification of the certified type** Non automatic electromechanical weighing instrument with or without lever system  
Type: DISOMAT Tersus

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):

**R76-1**, edition 1992, including Amendment 1 (1994),  
for accuracy classes  

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 Report No. 1.12-4051368 that includes 13 pages and in the additional Test Report No. 1.12-4051368/1 that includes 9 pages.

## The Issuing Authority

## The OIML Member

Dr. D. Ratschko  
 Head of Department

Dr. R. Schwartz  
 Head of Division

02.05.2011

02.05.2011

### Identification of the type (continued):

Designed as weighbridge, road vehicle scale, rail-weighbridge, hopper scale, crane scale, overhead scale track as well as mobile instrument in conveyor systems. The weighing instrument is equipped with a lever system or directly introduces the force into one or more load cells.

The weighing ranges comprising Max, verification scale intervals, number of verification scale intervals and scale intervals may be selected considering the limiting values in table 1.

Table 1:

accuracy class	III	IIII
Max	2 kg ... 600 t	2 kg ... 600 t
$n \leq$ <sup>1)</sup>	8000	1000
partial range $n_i \leq$ <sup>2)</sup>	4000	1000
<sup>2)</sup> $Max / e_1 \leq$ or <sup>3)</sup> $Max_r / e_1 \leq$	15000	5000
tare-balancing range	100 % of Max	
preset tare range	100 % of Max <sup>1)</sup>	100 % of Max <sub>1</sub> <sup>2)</sup>
temperature range	-30 °C / +40 °C <sup>4)</sup>	

<sup>1)</sup> this applies to each range of single- and multiple range instruments

<sup>2)</sup> this applies only to multi-interval instruments

<sup>3)</sup> this applies only to multiple range instruments

<sup>4)</sup> in case the load cells are suitable for this temperature range.

$n_i$  = Number of scale intervals for each partial weighing range

$e_1$  = Scale interval of the lowest partial weighing range

$Max_r$  = Max of the largest range for a multiple weighing range instrument

**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.