

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML  
Germany



OIML Certificate N°  
**R76/1992-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: 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 works

Type: DISOMAT Opus

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 (III) (IIII)

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. 1.12-4023690 (15 pages) and the Test Report No. 1.12-4023690/1 that includes 43 pages.

## The Issuing Authority

## The OIML Member

Dr. P. Zervos  
Regierungsdirektor

Dr. R. Schwartz  
Direktor und Professor

2007-05-16

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Identification of the type (continued):

Design 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	III
Max	2 kg ... 600 t	2 kg ... 600 t
$n \leq$ 1)	6000	1000
partial range $n_i \leq$ 2)	6000	1000
2) $Max / e_1 \leq$ or 3) $Max_r / e_1 \leq$	15000	5000
tare-balancing range	100 % of Max	
preset tare range	100 % of Max	1)
	100 % of $Max_1$	2)
temperature range	-20 °C / +40 °C	4)

1) this applies to each range of single- and multiple range instruments

2) this applies only to multi-interval instruments

3) this applies only to multiple range instruments

4) 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 range weighing 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.