

Member State of OIML
Germany



OIML Certificate N°
R60/1991-DE-99.05

OIML CERTIFICATE OF CONFORMITY

Issuing authority

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

Applicant:

Name: Revere Transducers Europe BV
Address: P.O. Box 6909, 4802 HX Breda
Niederlande

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern: Strain-gauge compression load cell with digital output
Type: **SBC**

Further characteristics see page 2

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R60, edition 1991, R60 Annex A, edition 1993
for accuracy class C1 up to C6

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated test report
N° 1.14-99060415 (5 pages).

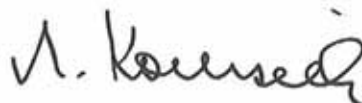
The issuing authority



Dr. R. Schwartz
Regierungsdirektor



The OIML member



Prof. Dr. M. Kochsiek
Vizepräsident

04.11.1999

04.11.1999

Identification of the pattern (continued)

The RTE bending beam strain-gauge load cell type SBC is made of stainless steel, the strain-gauge application is encapsulated hermetically by a welding and feed-through. The load cell needs only a indicator for digital output. The metrological characteristics for application in approved weighing instruments are listed in Table 1.

Table 1

Accuracy class		C1	C2	C3	C4	C5	C6	C3MI6	C3MI7,5	C3MI10	C4MI8	C4MI10	C5MI10
Max. number of LC intervals	n _{LC}	1000	2000	3000	4000	5000	6000	3000	3000	3000	4000	4000	5000
Maximum capacities	E _{max}	500 / 1000 / 2000 / 5000 / 10000 kg											
Minimum LC verification interval	$Y = \frac{E_{max}}{V_{min}}$	7000	1000			15000		15000				25000	
Minimum LC verification interval, option MR	$Y_{MR} = \frac{E_{max}}{V_{min MR}}$	-	-	25000			-	-	-	-	-	-	-
Minimum dead load return (DR)	$Z = \frac{1}{2} E_{max} / DR$	-	-	-	-	-	-	6000	7500	10000	8000	10000	10000

Minimum dead load 0% * E_{max}, safe load 150% * E_{max}

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