Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

PTB

Member State of OIML Germany		OIML Certificate N° R60/1991-DE-99.01

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
	Netherlands

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern:	Strain-gauge compression load cell Type: **CSP-M**

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 to C4

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.

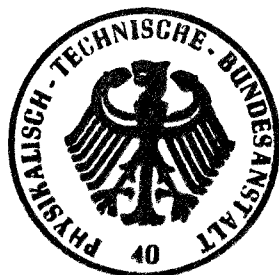# Physikalisch-Technische Bundesanstalt

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The conformity was established by tests described in the associated test reports N° 1.14-99032474 (5 pages), 1.14-97-413 (21 pages) and 1.14-98.518 (17 pages).

The issuing authority

Dr. R. Schwartz
Regierungsdirektor

07.07.1999

The CIML member

Prof. Dr. M. Kochsiek
Vizepräsident

07.07.1999

Identification of the pattern (continued)

The RTE compression strain-gauge load cell type CSP-M is made of stainless steel, the strain-gauge application is encapsulated hermetically by a welding and feed-through.

The metrological characteristics for application in approved weighing instruments are listed in Table 1.

Table 1

Accuracy class		C 1	C 2	C 3	C 4	C3 MI 7,5
Maximum number of load cell intervals	n_{LC}	1000	2000	3000	4000	3000
Maximum capacities	E_{max}	10 / 25 / 40 / 60 / 100 t		10 / 25 / 40 / 60 t		
Minimum load cell verification interval	V_{min} (Y)	E_{max} / 10 000	E_{max} / 10 000	E_{max} / 12 500	E_{max} / 12 500	E_{max} / 12 500
Minimum load cell verification interval, option MR	$V_{min\,MR}$ (Y_{MR})	--	--	E_{max} / 17 500	E_{max} / 17 500	E_{max} / 17 500
Minimum dead load output return	DR (Z)	--	--	--	--	½ E_{max} / 7500

Minimum dead load 0% * E_{max}, safe load 150% * E_{max}, input resistance 450 Ω

Important note: Apart from the mention of the certificate's reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.