Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/1991-DE-00.01

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: **RLC ..**

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 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.

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The conformity was established by tests described in the associated Test Report N° 1.14-99024730 (6 pages), with 5 Subreports for samples of the capacities 0,06 t; 0,5 t, 1 t, 10 t and 28 t.

The issuing authority

Dr. R. Schwartz
Regierungsdirektor

20. April 2000

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 40

The CIML member

Prof. Dr. M. Kochsiek
Vizepräsident

20. April 2000

Identification of the pattern (continued)

The RTE compression strain-gauge load cell type RLC 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	[1])	C1	C2	C3	C3 MI 6	C3 MI 7,5	C4	C5	C6
Max. number of load cell intervals	n_{LC}	1000	2000	3000	3000	3000	4000	5000	6000
Maximum capacities	E_{max}	0,06 / 0,13 / 0,25 [4]) / 0,5 / 1 / 2 / 3,5 t 5 / 10 / 13 / 28 / 60 t			0,06 t ÷ 10 t		0,5 t [2]), 1 t ÷ 5 t		
Minimum LC verification interval	v_{min} (Y)	E_{max} / 5 000	E_{max} / 7 500	E_{max} / 10 000	E_{max} / 10 000	E_{max} / 10 000	E_{max} / 10 000	E_{max} / 15 000	E_{max} / 15 000
Minimum LC verification interval type MR	$v_{min\ MR}$ (Y_{MR})	E_{max} / 10 000	E_{max} / 15 000	E_{max} / 20 000 [3])	E_{max} / 20 000	E_{max} / 20 000	E_{max} / 20 000	E_{max} / 25 000	E_{max} / 28 000
Minimum dead load output return	DR (Z)	--	--	--	½ E_{max} / 6 000	½ E_{max} / 7 500	--	--	--

Minimum dead load: 0% • E_{max} ; Safe load: ~ 150% • E_{max} ; Input resistance : ~1,1 kΩ

[1]) Classification symbols MR: for application in multiple range, MI: for application in Multi-Interval, see OIML R76
[2]) Maximal application range: 0,75 • E_{max}. [3]) For 28t and 60t : Y = 15000, [4]) Minimum dead load for E_{max} = 250 kg: 4% • E_{max}

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