

Member State of OIML
Germany



OIML Certificate N°
R60/2000-DE-03.02

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: Ramshoorn 7
4824 AG Breda
Netherlands

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern: Strain gauge compression load cell
for self centering pendulum application

Type: **ASC**

E_{\max} : 30 t ÷ 100 t

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 2000
for accuracy class C3 ÷ C6, MR, MI 7,5

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.

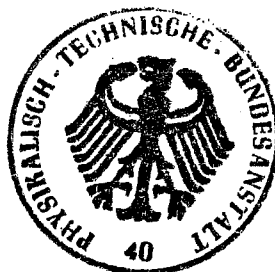
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The conformity was established by tests described in the associated test report
N° 1.14-02000673 (20 pages in total).

The issuing authority



Dr. R. Schwartz
Direktor und Professor



The OIML member



Prof. Dr. M. Kochsiek
Vizepräsident

20.03.2003

20.03.2003

Identification of the pattern (continued)

Load cells of the type ASC are compression load cells for self centering pendulum applications. Using the fitting elements of the manufacturer, the load cell is fixed against rotation. The one column load cell body and the housing are made of stainless steel. The strain gauge application is sealed hermetically.

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

Table 1

Accuracy class			C3	C4	C5	C6
Max. number of LC intervals	n_{LC}		3000	4000	5000	6000
Maximum capacities	E_{max}	t	30 / 40 / 50 / 60 / 100			
Minimum load cell verification interval	V_{min} (E_{max} / Y)		$E_{max} /$ 6000	$E_{max} /$ 8000	$E_{max} /$ 10000	$E_{max} /$ 12000
Minimum load cell verification interval, type MR	$V_{min MR}$ (E_{max} / Y_{MR})	¹⁾	$E_{max} /$ 15000	$E_{max} /$ 16000	$E_{max} /$ 25000	$E_{max} /$ 30000
Minimum dead load output return, type MI 7,5	DR ($\frac{1}{2} E_{max} / Z$)	¹⁾	$\frac{1}{2} E_{max} /$ 7500	$\frac{1}{2} E_{max} /$ 7500	$\frac{1}{2} E_{max} /$ 7500	-

Minimum dead load $0\% \cdot E_{max}$; safe load $\geq 150\% \cdot E_{max}$; input resistance 700Ω ; fraction $p_{LC} = 0,7$

¹⁾ Options MR respectively MI 7,5 are indicated on the nameplate.

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