# Physikalisch-Technische Bundesanstalt

**Braunschweig und Berlin**

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<br>4824 AG Breda<br>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

20.03.2003

The CIML member

Prof. Dr. M. Kochsiek
Vizepräsident

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 (½ $E_{max}$ / Z) | [1]) | ½ $E_{max}$ / 7500 | ½ $E_{max}$ / 7500 | ½ $E_{max}$ / 7500 | - |

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

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