# Physikalisch-Technische Bundesanstalt

**Braunschweig und Berlin**

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|---|---|---|
| Member State of OIML<br>Germany | | OIML Certificate N°<br>**R60/2000-DE1-10.01** |

# OIML CERTIFICATE OF CONFORMITY

### Issuing Authority

Name: Physikalisch-Technische Bundesanstalt
Address: Bundesallee 100, 38116 Braunschweig
Person responsible: Dr. Dirk Ratschko

### Applicant

Name: Flintec GmbH

Address: Bemannsbruch 9

74909 Meckesheim

Manufacturer of the certified type is the applicant.

**Identification of the certified type**

Strain gauge planar beam load cell

Type: PB

Further characteristics see page 2

This Certificate attests the conformity of the above identified type (represented by the sample or 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

This Certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation identified above.

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

R3-0033

# Physikalisch-Technische Bundesanstalt

OIML Certificate N°
**R60/2000-DE1-10.01**

The conformity was established by the results of tests and examinations provided in the associated Test Reports

| | |
|---|---|
| No. 1.12 4039206-1 | that includes 22 pages |
| No. 1.12 4039206-2 | that includes 18 pages |
| No. 1.12 4039206-3 | that includes 18 pages |

**The Issuing Authority**                    **The CIML Member**

Dr. D. Ratschko                              Dr. R. Schwartz
Oberregierungsrat                            Direktor und Professor

24.03.2010                                   24.03.2010

The load cells of the series PB are planar beam load cells. They are made of aluminium; the strain gauge application is sealed with plastics.

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

Table 1:        Essential data

| Accuracy class | | | C3 |
|---|---|---|---|
| Maximum number of load cell intervals | $n_{LC}$ | | 3000 |
| Rated output | | mV/V | 0.9 |
| Range 1 — Maximum capacity | $E_{max}$ | kg | 3.75 / 7.5 / 15 / 37.5 / 75 / 150 |
| Range 1 — Minimum load cell verification interval $v_{min} = (E_{max} / Y)$ | | $\% \cdot E_{max}$ | $E_{max} / 7500$ |
| Range 2 — Maximum capacity | $E_{max}$ | kg | 375 |
| Range 2 — Minimum load cell verification interval $v_{min} = (E_{max} / Y)$ | | $\% \cdot E_{max}$ | $E_{max} / 6500$ |

Dead load: $0\% \cdot E_{max}$;   Safe overload: $300\% \cdot E_{max}$;   Input impedance: 1180 $\Omega$

*Important note:*   Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated Test Reports is not permitted, although either may be reproduced in full.