

OIML Member State
The Netherlands

Number R60/2000-NL1-16.08
Project number 15200679
Page 1 of 2

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|--------------------------------------|---|
| Issuing authority | NMi Certin B.V. Person responsible: C. Oosterman |
| Applicant and Manufacturer | Hottinger Baldwin Messtechnik GmbH Im Tiefen See 45 D-64293 Darmstadt Germany |
| Identification of the certified type | A bending beam load cell , with strain gauges, equipped with electronics, Type : FIT/5..., FIT5 |
| Characteristics | See next page |


This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R60 - Edition 2000 (E) for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified.
This Certificate does not bestow any form of legal international approval.

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 and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
26 April 2016



C. Oosterman
Head Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see www.nmi.nl).



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Number R60/2000-NL1-16.08
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Page 2 of 2

The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- R60/2000-NL1-06.12 rev. 1 dated 26 March 2008 that includes 56 pages;
- No. NMI-13200549-01 dated 22 May 2014 that includes 66 pages;
- No. NMI-14200321-03 dated 11 December 2015 that includes 9 pages;
- No. NMI-15200679-01 dated 26 April 2016 that includes 9 pages.

Characteristics of the load cell:

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| Maximum capacity (E_{max}) | 5 kg up to and including 25 kg |
| Minimum dead load | 0 kg |
| Accuracy Class | C |
| Maximum number of load cell intervals (n) | 4000 |
| Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$ | 25000 |
| Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$ | 4000 |
| Temperature range | -10 °C / + 40 °C |
| Fraction p_{LC} | 0,8 |
| Humidity Class | CH |
| Safe overload | 150 % of E_{max} |
| Recommended excitation | 10 - 30 V DC |
| Excitation maximum | 30 V DC |
| Transducer material | Stainless steel |
| Atmospheric protection | Stainless steel cover |
| Number of counts for E_{max} | $\geq Y * 5 / p_{LC}$ |
| Software identification | Version number: P7x, or Version number: 80, checksum 240413 |

The characteristics for n_{max} and Y can be reduced separately.

Each produced load cell is provided with an accompanying document with information about its characteristics.

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the MAA Declaration of Mutual Confidence:

- R 60 DoMC-01 rev.0, Additional requirements from the United States;
- R 60 DoMC-02 rev.0, Additional requirements from the United States.