

OIML Member State
The Netherlands

Number R60/2000-A-NL1-18.16 revision 1
Project number 2256150
Page 1 of 3

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. Type : PW15AH, PW15PH
Characteristics	See next page

- † This OIML Certificate is issued under scheme A.
- † 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 R 60 - 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**
7 November 2018



C. Oosterman
Head Certification Board

NMi Certin B.V.
Hugo de Grootplein 1
3314 EG Dordrecht
the Netherlands
T +31 78 6332332
certin@nmi.nl
www.nmi.nl

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



OIML Member State
The Netherlands

Number R60/2000-A-NL1-18.16 revision 1
Project number 2256150
Page 2 of 3

The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Reports:

- No. NMI-1901982-01 revision 1 dated 7 November 2018 that includes 51 pages;
- No. NMI-1901982-02 revision 1 dated 7 November 2018 that includes 46 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	10 kg up to and including 250 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2 mV/V \pm 0,2 mV/V
Maximum number of load cell intervals (n) ⁽¹⁾	6000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	25000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	8000
Input impedance	390 Ω \pm 15 Ω
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	350 Ω \pm 10 Ω
Recommended excitation	5 V AC / DC
Excitation maximum	10 V AC / DC
Transducer material	Stainless steel
Atmospheric protection	IP68 / IP69K

Remarks:

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

Each load cell produced 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.



OIML Certificate

OIML Member State
The Netherlands

Number R60/2000-A-NL1-18.16 revision 1
Project number 2256150
Page 3 of 3

Revision History

This revision replaces the previous version(s).

Revision	Date	Change(s)
Initial	21 June 2018	-
1	7 November 2018	Revision of the reports to make Z value higher.