



# OIML Certificate of Conformity

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-14.02 revision 1  
Project number 13200686  
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 <b>bending beam load cell</b> , with strain gauges. Type : Z6
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**  
18 March 2014

  
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](http://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](http://www.nmi.nl)).





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**OIML Member State**  
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Number R60/2000-NL1-14.02 revision 1  
Project number 13200686  
Page 2 of 3

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

- No. 64.G267 dated April 1992 that includes 30 pages;
- No. 10004335 dated April 1993 that includes 25 pages;
- No. R60/1991-NL1-97.07 dated 06 February 1997 that includes 35 pages;
- No. R60/1991-NL1-97.07A dated 06 February 1997 that includes 12 pages;
- No. R60/2000-NL1-06.07A dated 09 June 2006 that includes 38 pages;
- No. R60/2000-NL1-06.07B dated 09 June 2006 that includes 16 pages;
- No. NMI-13200686-01 dated 12 March 2014 that includes 26 pages.

### Characteristics of the load cell:

Type	Z6.D1	Z6.C3	Z6.C3	Z6.C4	Z6.C6	Z6.C6
Maximum capacity ( $E_{max}$ )	5 kg up to and including 1000 kg	10 kg up to and including 1000 kg	10 kg up to and including 200 kg	10 kg up to and including 500 kg	20 kg up to and including 200 kg	20 kg up to and including 100 kg
Accuracy Class	D	C	C	C	C	C
Maximum number of load cell intervals (n)	1000	3000	3000	4000	6000	6000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	2778	11111	15000	15000	15000	22500
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	-	-	7500	7500	7500	7500



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Number R60/2000-NL1-14.02 revision 1  
Project number 13200686  
Page 3 of 3

Rated Output	2,0 mV/V
Minimum dead load	0 kg
Input impedance	350 - 480 $\Omega$
Temperature range	-10 °C / +40 °C
Fraction $p_{LC}$	0,7
Humidity Class	CH
Safe overload	150% of $E_{max}$
Output impedance	356 $\Omega \pm 0,12 \Omega$
Recommended excitation	0,5 - 12 V DC/AC
Excitation maximum	18 V DC/AC
Transducer material	Stainless steel
Atmospheric protection	Hermetically sealed

The characteristics for  $n_{max}$  and Y can be reduced separately. Z is proportional or equal to  $n_{max}$ .

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

## Revision History

Revision	Date	Change(s)
Initial	18 March 2014	-
1	18 March 2014	OIML MAA logo replaced by OIML logo