OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R60/2000-NL1-12.35
Project number 12200099

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Hottinger Baldwin Messtechnik GmbH Im Tiefen See 45, 64293 Darmstadt, Germany
Manufacturer	Hottinger Baldwin Messtechnik GmbH Im Tiefen See 45, 64293 Darmstadt, Germany
Identification of the certified type	A **single point load cell**, with strain gauges Type : PW29
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**
27 June 2012

C. Oosterman
Head Certification Board

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

- No. NMi-12200099-01 dated 27 June 2012 that includes 51 pages;
- No. NMi-12200099-02 dated 27 June 2012 that includes 45 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	100 kg up to and including 1000 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2 mV/V
Maximum number of load cell intervals (n_{max})	4000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	12500
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	4000
Input impedance	380 Ω ± 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 ± 10 Ω
Recommended excitation	5 V AC/DC
Excitation maximum	15 V AC/DC
Transducer material	Stainless steel
Atmospheric protection	Hermetically welded

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.