

OIML Member State
The Netherlands

Number R60/2000-NL1-14.05
Project number 13200569
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Acecells Instruments (ZJ) Co.Ltd. No.123 Zhenning West Road, Jiaochuan Street, Zhenhai District, Ningbo China
Identification of the certified type	A single point load cell , with strain gauges. Type : WL1022
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.

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Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
6 June 2014



C. Oosterman
Head Certification Board

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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).



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

- No. NMI-13200569-01 dated 27 May 2014 that includes 51 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	10 kg up to and including 50 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2,2 mV/V
Maximum number of load cell intervals (n)	6000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	20000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	6000
Input impedance	$400 \Omega \pm 10 \Omega$
Temperature range	-10 °C / + 40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	$350 \Omega \pm 3 \Omega$
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Aluminium
Atmospheric protection	IP65

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.