

OIML Member State
The Netherlands

Number R60/2000-NL1-17.35
Project number SO16204726
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Acecells Instruments Co., Limited 61 Pread Street, dept 400 London, W2 1NS United Kingdom
Identification of the certified type	A shear beam load cell , with strain gauges. Type : WL601S
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**
16 March 2017



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):

- N° R60/2000-NL1-09.18 dated 24 December 2009 that includes 40 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	100 kg up to and including 500 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	2,0 mV/V \pm 0,002 mV/V
Maximum number of load cell intervals (n)	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3000
Input impedance	400 Ω \pm 20 Ω
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	120 % of E_{max}
Output impedance	352 Ω \pm 3 Ω
Recommended excitation	10 V DC
Excitation maximum	15 V DC
Transducer material	Stainless steel
Atmospheric protection	IP68

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.