

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-17.31  
Project number 1900661  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Zhonghang Electronic Measuring Instruments Co., Ltd.(ZEMIC) XinYuan Rd. North Zone of EDZ, Hanzhong, 723000 Shaanxi China
Identification of the certified type	A <b>bending beam load cell</b> , with strain gauges. Type : L6P1-Cx-xx-xx-xx Series
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**  
13 March 2017



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The notification of NMi Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)



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

- No. NMI-13200254-04 dated 30 September 2013 that includes 51 pages;
- No. NMI-1900661-01 dated 13 March 2017 that includes 47 pages;
- No. NMI-1900661-02 dated 13 March 2017 that includes 47 pages;
- No. NMI-1900661-03 dated 13 March 2017 that includes 47 pages.

**Characteristics of the load cell:**

Maximum capacity ( $E_{max}$ )	3,75 kg up to 37,5 kg	37,5 kg up to 150 kg	150 kg up to and including 750 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	1,0 mV/V $\pm$ 0,15 mV/V		
Maximum number of load cell intervals (n)	4000		3000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	23000		52000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	8900	4600	3900
Input impedance	1080 $\Omega \pm 50 \Omega$		
Temperature range	-10 °C / +40 °C		
Fraction $p_{LC}$	0,7		
Humidity Class	CH		
Safe overload	150 % of $E_{max}$		
Output impedance	1000 $\Omega \pm 10 \Omega$		
Recommended excitation	5-12 V AC / DC		
Excitation maximum	18 V AC / DC		
Transducer material	Aluminium alloy		
Atmospheric protection	Silicone sealing		

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.

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.