

OIML Member State
The Netherlands

Number R60/2000-NL1-15.08
Project number SO15201545
Page 1 of 2

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Zhonghang Electronic Measuring Instrument Co., Ltd. (ZEMIC) Xinyuan Rd. North Zone of EDZ, Hanzhong 723000, Shaanxi China
Identification of the certified type	A single point load cell , with strain gauges, Type : L6E-xx-xx-xxx-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.

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**
21 April 2015



C. Oosterman
Head Certification Board

NMi Certin B.V.
Hugo de Grootplein 1
3314 EG Dordrecht
the Netherlands
T +31 78 6332332
certin@nmi.nl
www.nmi.nl

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

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 Reports:

- No. R60/2000-NL1-10.22A dated 10 November 2010 that includes 64 pages;
- No. R60/2000-NL1-10.22B dated 10 November 2010 that includes 63 pages.

Characteristics of the load cell:

Type	L6E-xx-xx-xxx-XX – Series					
Humidity class	CH					
Fraction p_{ic}	0,7					
Temperature range	-10 °C / +40 °C					
Rated Output	2 mV/V \pm 0,2 mV/V					
Maximum capacity (E_{max})	50 kg up to and including 100 kg			150 kg up to and including 500 kg		
Accuracy class	C3	C4	C5	C3	C4	C5
Maximum number of load cell intervals (n)	3000	4000	5000	3000	4000	5000
Ratio of minimum load cell verification interval $Y = E_{max} / v_{min}$	10000	15000	20000	10000	15000	20000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	4200	6000	7000	3300	4400	5500
Minimum dead load	0 kg					
Safe overload	150% of E_{max}					
Input impedance	406 $\Omega \pm 6 \Omega$					
Output impedance	350 $\Omega \pm 3 \Omega$					
Recommended excitation	5 - 12 V AC / DC					
Excitation maximum	18 V AC / DC					
Transducer material	Aluminium alloy					
Atmospheric protection	Silicon rubber					

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.

The above identified Type (represented by the sample(s) identified in the OIML Test Reports) 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.