OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R60/2000-NL1-13.16
Project number 12200582
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Xiamen Loadcell Technology Co., Ltd. (LCT) 5FL, No. 20, Huli Park, Tongan Industry Central Zone, 361100 Xiamen, China
Identification of the certified type	A **single point load cell**, with strain gauges, tested as a part of a weighing instrument. Type : LAB-XXXX-BX-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.

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** 5 September 2013 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. R60/2000-NL1-10-07 dated 17 May 2010 that includes 40 pages;
- No. NMi-12200582-01 dated 23 August 2013 that includes 52 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	2,0 mV/V				
Maximum number of load cell intervals (n)	1000	2000	3000	4000	5000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	3000	5000	10000	12000	15000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	1000	2000	3000	4000	5000
Input impedance	$405\ \Omega \pm 10\ \Omega$				
Temperature range	-10 °C / +40 °C				
Fraction p_{LC}	0,7				
Humidity Class	CH				
Safe overload	150 % of E_{max}				
Output impedance	$350\ \Omega \pm 5\ \Omega$				
Recommended excitation	5 - 12 V AC/DC				
Excitation maximum	18 V AC/DC				
Transducer material	Aluminium alloy				
Atmospheric protection	Silicone rubber coating				

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 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.