

OIML Member State
The Netherlands

Number R60/2000-NL1-15.22
Project number 15200656
Page 1 of 2

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Shanghai Teraoka Electronic Co., Ltd. Tinglin Industry Developmental Zone Jinshan country, Shanghai 201505 P.R. of China
Identification of the certified type	A single point load cell , with strain gauges. Type : PS
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**
12 November 2015



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-15200656-01 dated 10 November 2015 that includes 31 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	9 kg up to and including 45 kg
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	1,5 mV/V
Maximum number of load cell intervals (n)	7500
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	14000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	14000
Input impedance	1230 $\Omega \pm 150 \Omega$
Temperature range	-10 °C / +40 °C
Fraction p_{LC}	0,7
Humidity Class	SH
Safe overload	200 % of E_{max}
Output impedance	1000 $\Omega \pm 10 \Omega$
Recommended excitation	3,3 - 12 V AC / DC
Excitation maximum	20 V AC / DC
Transducer material	Al-Cu alloy
Atmospheric protection	Butyl rubber and special aluminium foil

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.