OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R60/2000-NL1-14.08
Project number 13200001

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Beijing True-Tec Co., Ltd. 4/F, Bldg. 2, No. 8, Hong Da Bei Lu, BDA Beijing China
Identification of the certified type	A **bending beam load cell**, with strain gauges. Type : PA08R, PA08G and PA08L
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
2 April 2014

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. NMi-13200001-01 dated 2 April 2014 that includes 49 pages;
- No. NMi-13200001-02 dated 2 April 2014 that includes 46 pages;
- No. NMi-13200001-03 dated 2 April 2014 that includes 48 pages;
- No. NMi-13200001-04 dated 2 April 2014 that includes 46 pages.

Characteristics of the load cell:

Type	PA08R		PA08G	PA08L
Maximum capacity (E_{max})	10 kg up to 50 kg	50 kg up to and including 100 kg	50 kg up to and including 250 kg	50 kg up to and including 300 kg
Maximum number of load cell intervals (n)	6000	6000	6000	4000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	15000	7500	16000	15000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	11000	20000	77000	4994
Minimum dead load	0 kg			
Accuracy Class	C			
Rated Output	2,0 mV/V ± 0,2 mV/V			
Input impedance	406 Ω ± 15 Ω			
Temperature range	-10 °C / + 40 °C			
Fraction p_{LC}	0,7			
Humidity Class	CH			
Safe overload	150 % of E_{max}			
Output impedance	350 Ω ± 3 Ω			
Recommended excitation	10 V AC / DC			
Excitation maximum	15 V AC / DC			
Transducer material	Aluminium			
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.

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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.