



# OIML Certificate of Conformity

**OIML Member State**  
The Netherlands

Number R60/2000-NL1-14.01  
Project number 13200558  
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Anyload Transducer Co. Ltd 6994 Greenwood Street, Unit 102 Burnaby, V5A 1X8 Canada
Manufacturer	Anyload Youngzon Transducer (Hangzhou) Co. Ltd. No.160, South of No.11 Street Hangzhou Economic & Technological Development Zone Hangzhou, Zhejiang, 310018 China
Identification of the certified type	A <b>tension load cell</b> , with strain gauges Type : 110xx
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**  
11 March 2014

  
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](http://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](http://www.nmi.nl)).



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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-11200883-01 dated 12 June 2012 that includes 51 pages;
- No. NMI-13200558-01 dated 25 February 2014 that includes 51 pages.

**Characteristics of the load cell:**

Maximum capacity ( $E_{max}$ )	1 t up to 10 t	10 t up to and including 50 t
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2,0 mV/V or 3,0 mV/V	
Maximum number of load cell intervals (n)	3000	6000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	15000	13500
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3000	6000
Input impedance	400 $\Omega \pm 50 \Omega$ or, 770 $\Omega \pm 25 \Omega$ or, 1150 $\Omega \pm 50 \Omega$	
Temperature range	-10 °C / +40 °C	
Fraction $p_{LC}$	0,7	
Humidity Class	CH	
Safe overload	150 % of $E_{max}$	
Output impedance	350 $\Omega \pm 5 \Omega$ or, 700 $\Omega \pm 5 \Omega$ or, 1000 $\Omega \pm 5 \Omega$	
Recommended excitation	10 V AC/DC	
Excitation maximum	15 V AC/DC	
Transducer material	steel alloy or stainless steel	steel
Atmospheric protection	glue sealed or weld sealed	stainless steel cover

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.