OIML Certificate

OIML Member State
The Netherlands

Number R60/2017-A-NL1-24.02 revision 0
Project number 2487223

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant	Anyload Weigh & Measure Inc. 6855 Antrim Avenue, Burnaby British Columbia V5J 4M5 Canada
Manufacturer	Anyload Youngzon Transducer (Hangzhou) Co. Ltd. 518,18th Street, Qiantang New Area Hangzhou China
Identification of the certified type	A **single point load cell**, with strain gauges. Registered trade name : Anyload Type : 108xA
Characteristics	See next page

This OIML Certificate is issued under scheme A.

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 R 60-1:2017 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
18 January 2024

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated reports:
- No. R60/2000-NL1-10.03 dated 24 February 2010 that includes 63 pages;
- No. NMi-2487223-01 dated 16 January 2024 that includes 51 pages;
- No. NMi-2487223-02 dated 16 January 2024 that includes 46 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	5 kg up to 50 kg	50 kg up to 500 kg	500 kg up to and including 2500 kg
Minimum dead load	0 kg		
Accuracy Class	C		
Rated Output	2,0 mV/V ± 10 %		
Maximum number of load cell intervals (n)	7500	6000	4000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	20000	29000	4000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	7500	8000	7500
Input impedance	415 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 ± 10 Ω		
Recommended excitation	5 - 12 V AC / DC		
Excitation maximum	15 V AC / DC		
Transducer material	Aluminium		
Atmospheric protection	Silicone rubber		

Remark:
1. The characteristics for n_{max}, Y and Z can be reduced separately.

Each load cell produced 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 Utilizer Declaration:

- R 60 OIML-CS rev.2 Additional requirements from the United States Accuracy class III L;
- R 60 OIML-CS rev.2 Additional requirements from the United States Marking requirements.

Revision History

Revision	Date	Change(s)
0	2024-01-18	Initial issue.