Test Certificate
Parts Certificate

Number **TC7692** revision 2
Project number 2372779

Issued by	NMi Certin B.V.
In accordance with	WELMEC 8.8 2017, WELMEC 2.4 Issue 2, OIML R 60 (2000), EN 45501:2015.
Producer	Anyload Youngzon Transducer (Hangzhou) Co. Ltd. Hangzhou Economic & Technological Development Zone No.160, South No.11 Street, 310018 Zhejiang, Hangzhou P.R. China
Measuring instrument	A **single point load cell**, with strain gauges, tested as a part of a weighing instrument. Brand : Anyload Designation : 108xA Further properties are described in the annexes: - Description TC7692 revision 2; - Documentation folder TC7692-3. An overview of performed tests is given in the annex: - Description TC7692 revision 2.
Remarks	This revision replaces the earlier versions, including its documentation folder.

Issuing Authority

NMi Certin B.V.
10 May 2019

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INSPECTION
RvA I 122

Description

1 General information about the load cell

All properties of the load cell, whether mentioned or not, shall not be in conflict with the standards mentioned in this certificate.

This certificate is the positive result of the applied voluntary, modular approach, for a component of a measuring instrument, as described in WELMEC 8.8. The complete measuring system must be covered by an EC type-approval certificate, an EC-type examination certificate or an EU-type examination certificate.

1.1 Essential parts

Number	Pages	Description	Remark
7692/1-01	3	Outline 108JA-(500 – 2500)kg	Mechanical
7692/1-02	1	108BA-5kg Outline	Mechanical
7692/1-03	1	108TA-50kg Outline	Mechanical
7692/1-04	1	108 xx Outline	Mechanical
7692/2-01	1	108LAMT Outline	Mechanical
7692/1-05	1	Electrical circuit diagram	Electrical

Cable:
- If the load cell is provided with a 4-wire system:
  - The cable length is mentioned in the accompanying load cell document / on the label;
  - The cable length shall not be modified.
- If the load cell is provided with a 6-wire system (="Remote-sensing"):
  - The cable length is not limited.

The cable shall be a shielded cable; the shield is not connected to the load cell.

1.2 Essential characteristics

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		
Maximum number of load cell intervals (n)	4000	5000	4000
Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	15000	12300	4000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	4000	5000	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.

1.3 Essential shapes

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7692/2-01	1	108LAMT Outline	Mechanical

The descriptive markings plate is secured against removal by sealing or will be destroyed when removed and contains at least the information and markings as described in OIML R 60 (2000) and:
- This certificate number TC7692 (in the countries where it is mandatory);
- Producers name or mark.

2 Seals

The connecting cable of the load cell or the junction box is provided with possibility to seal.

3 Conditions for conformity assessment

Each load cell produced is provided with an accompanying document with information about its characteristics.

The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in WELMEC 2, 2015 clause 10, at the time of putting into use.

Other parties may use this certificate without the written permission of the producer (WELMEC 8.8).

4 Reports

An overview of performed tests is given in the reports:
- No. R60/2000-NL1-10.03 dated 24 February 2010 that includes 63 pages;
- No. NMi-15200056-01 dated 1 April 2016 that includes 51 pages;
- No. NMi-15200056-02 dated 1 April 2016 that includes 46 pages.

A report can be a test report, an evaluation report, a type evaluation report and/or a pattern evaluation report.