

Issued by NMI Certin B.V.

In accordance with WELMEC 8.8 Issue 2, 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 **bending beam load cell**, with strain gauges, tested as a part of a weighing instrument.

Brand : Anyload
Designation : 563RH, 563RS

Further properties are described in the annexes:

- Description TC10816 revision 0;
- Documentation folder TC10816-1.

An overview of performed tests is given in the annex:

- Description TC10816 revision 0.

Issuing Authority **NMI Certin B.V.**
30 August 2016



C. Oosterman
Head Certification Board

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
10816/0-01	1	563RH and 563RS load cell element	Mechanical
10816/0-02	1	563RH and 563RS load cell outline	Mechanical
10816/0-03	1	563RH and 563RS 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})	10 kg up to and including 50 kg	100 kg up to and including 500 kg
Minimum dead load	0 kg	
Accuracy Class	C	
Rated Output	2,0 mV/V \pm 0,2 mV/V	
Maximum number of load cell intervals (n)	6000	4000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	30000	
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	6000	
Input impedance	400 Ω \pm 20 Ω	
Temperature range	-10 $^{\circ}$ C / + 40 $^{\circ}$ C	
Fraction p_{LC}	0,7	

Humidity Class	CH
Safe overload	150 % of E_{max}
Output impedance	$350 \Omega \pm 3 \Omega$
Recommended excitation	10 V AC / DC
Excitation maximum	15 V AC / DC
Transducer material	Steel or stainless steel
Atmospheric protection	Weld sealed

The characteristics for n_{max} and Y can be reduced separately.

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

1.3 Essential shapes

Number	Pages	Description	Remark
10816/0-01	1	563RH and 563RS load cell element	Mechanical
10816/0-02	1	563RH and 563RS load cell 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 TC10816 (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

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. NMI-16200448-01 dated 29 August 2016 that includes 51 pages;
- No. NMI-16200448-02 dated 29 August 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.