Test Certificate
Parts Certificate

Number **TC8020** revision 2
Project number 15200025

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 **shear beam load cell**, with strain gauges, tested as a part of a weighing instrument.

Brand : Anyload

Designation : 563YHxx or 563YSxx

Further properties are described in the annexes:
- Description TC8020 revision 2;
- Documentation folder TC8020-1.

An overview of performed tests is given in the annex:
- Description TC8020 revision 2.

Remarks: This revision replaces the earlier version(s), except for its documentation folder.

Issuing Authority: **NMi Certin B.V.**
26 July 2016

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

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
8020/0-01	6	563YH, 563YHFM, 563YHRT , 563YHTH, 563YHXH, 563YHHY Outline drawings	Mechanical
8020/1-01	8	563YS, 563YHMS, 563YHFK, 563YS30, 563YSRS, 563YSSB, 563YSMT, 563YH43 Outline drawings	Mechanical
8020/0-02	1	563YH and 563YS series 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})	500 kg up to and including 2500 kg		3000 kg up to and including 10000 kg	3000 kg up to and including 15000 kg
Minimum dead load	0 kg		0 kg	
Accuracy Class	C		C	
Rated Output	2,0 mV/V ± 0,2 mV/V	3,0 mV/V	3 mV/V	2,0 ± 0,2 mV/V
Maximum number of load cell intervals (n)	5000	4000	6000	

Ratio of minimum LC Verification interval $Y = E_{max} / v_{min}$	26000	15000	8500
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	5500	4000	25000
Input impedance	400 Ω ± 50 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 ± 5 Ω		
Recommended excitation	10 V AC / DC		
Excitation maximum	15 V AC / DC		
Transducer material	Alloy steel or stainless steel		
Atmospheric protection	Stainless steel cover		

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
8020/0-01	6	563YH, 563YHFM, 563YHRT, 563YHTH, 563YHXH, 563YHHY Outline drawings	Mechanical
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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 TC8020 (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-11200242-01 dated 31 October 2011 that includes 53 pages;
- No. NMi-14200322-01 dated 10 September 2014 that includes 48 pages;
- No. NMi-15200025-01 dated 26 July 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.