

Nederlands Meetinstituut

Test certificate

Number **TC5594** revision 0
 Project number 10108179
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Issued by NMI Certin B.V.
 Hugo de Grootplein 1
 3314 EG Dordrecht
 The Netherlands

Notified Body Number 0122

In accordance with Paragraph 8.1 of the European Standard on Metrological aspects of non-automatic weighing instruments EN 45501:1992/AC:1993 and by application of the OIML International Recommendation R 60 (Edition 1991). The applied error fraction p_i , meant in the paragraph 3.5.4. of the standard is 0.7.

Applicant Tedeo-Huntleigh Europe Ltd
 37 Portmanmoor Road
 Cardiff CF2 2HB
 United Kingdom

In respect of The model of a **shear-beam load cell**, with strain gauges, tested as a part of a weighing instrument.
 Manufacturer : Tedeo-Huntleigh
 Type : 3520

Characteristics

Maximum capacity (E_{max})	500, 1000 and 2000 kg				
Accuracy Class	C				
Maximum number of load cell intervals (n)	1000	2000	3000	4000	6000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	4000	8000	12000	16000	24000

In the description TC5594 revision 0 further characteristics are described.

Description and documentation The load cell is described in the description number TC5594 revision 0 and documented in the documentation folder number TC5594-1, appertaining to this test certificate.

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Bemerkings Summary of the test involved: see Appendix number TC5594 revision 0

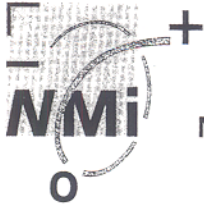
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NMI Certin B.V.

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1 General information about the load cell

All properties of the load cell, whether mentioned or not, may not be in conflict with the standard mentioned in the test certificate.

1.1 Essential parts

Description	Drawing number	Rev.	Remarks
Model 3520	2BU007	1	OIML R60 Specification Sheet

Cable:

The load cell is provided with a 4-wire system.

Because no "remote-sensing" is used the cable length has to be approximately 3 meters.

The cable should be a shielded cable, the shield may be connected to the load cell.

1.2 Essential characteristics

Minimum dead load	: 0 kg
Safe overload	: 150% of E_{max}
Rated Output	: 2 mV/V
Input impedance	: $400 \Omega \pm 20 \Omega$
Output impedance	: $350 \Omega \pm 50 \Omega$
Recommended excitation	: 10 V DC/AC
Excitation maximum	: 15 V DC/AC
Transducer material	: Stainless steel
Atmospheric protection	: Potted

1.3 Essential shapes

The load cell is built according to drawing: Model 3520 with drawing number 2BU007.

The data plate is sealed against removal or will be destroyed when removed. The data plate mentions at least the information and markings as described in the OIML R60 document. In the countries where it is mandatory the load cell should bear this test certificate number: TC5594.

Securing:

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

Tests carried out for this test certificate:

Test	Institute	type, version, remarks
Temperature test and repeatability (20, 40, -10 and 20 °C)	NMi Certin B.V	Model 3520, 500 kg, C6
Temperature effect on minimum dead load output (20, 40, -10 and 20 °C)	NMi Certin B.V	Model 3520, 500 kg, C6
Creep test (20, 40 and -10 °C)	NMi Certin B.V	Model 3520, 500 kg, C6
Minimum load output return (20, 40 and -10 °C)	NMi Certin B.V	Model 3520, 500 kg, C6
Barometric pressure test at room temperature	NMi Certin B.V	Model 3520, 500 kg, C6
Humidity test	NMi Certin B.V.	Model 3520, 500 kg, C6