

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 2000). The applied error fraction p_i , meant in the paragraph 3.5.4. of the standard is 0.7.

Applicant Vishay Tedeo-Huntleigh Ltd.
 5a Hazoran Street
 Netanya, 42506
 Israel

In respect of The model of a **bending beam load cell**, with strain gauges, tested as a part of a weighing instrument.
 Manufacturer : Tedeo-Huntleigh
 Type : 1263

Characteristics

Maximum capacity (E_{max})	50 kg up to and including 250 kg			300 kg up to and including 635 kg		
Accuracy class	C					
Maximum number of load cell verification intervals (n_{max})	1000	2000	3000	1000	2000	3000
Ratio of minimum LC verification interval $Y = E_{max} / V_{min}$	2000	4000	15000	2000	4000	15000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3100			5300		

In the description number TC6092 revision 1 further characteristics are described.



Nederlands Meetinstituut

Test certificate

Number **TC6092** revision 1
Project number 305753
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Description and documentation The load cell is described in the description number TC6092 revision 1 and documented in the documentation folder TC6092-1, appertaining to this test certificate.

Remarks Summary of the test involved: see Appendix number TC6092 revision 1
This revision test certificate replaces the earlier version, except for its documentation folder.

Delft, 18 June 2003
NMI Certin B.V.

P.P.M. van Enkevort
Manager Certification Delft

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 1263 Load Cell (50-250kg)	216.000.00-4	C	Mechanical
Model 1263 Load Cell (300-635kg)	216.000.02-4	A	Mechanical
Model 1263 Load Cell four core	216.200.00-2	C	Electrical

Cable:

- The load cell is provided with a 4-wire system.
The cable length has to correspond with the cable length mentioned on the descriptive plate of the load cell.
- The cable should be a shielded cable, the shield is not 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 \pm 0.2 mV/V
Input impedance	: 415 Ω \pm 15 Ω
Output impedance	: 350 Ω \pm 3 Ω
Recommended excitation	: 10 V DC/AC
Excitation maximum	: 15 V DC/AC
Transducer material	: Aluminium
Atmospheric protection	: Adhesive Silicone Rubber (IP66 or IP67)

1.3 Essential shapes

The load cell is built according to drawing:

- Model 1263 Load Cell (50-250kg), drawing number 216.000.00-4 rev. C;
- Model 1263 Load Cell (300-635kg), drawing number 216.000.02-4 rev. A.

The data plate is secured against removal by sealing 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: TC6092.

Securing:

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



Tests performed for this test certificate:

Test	Institute	type, version, remarks
Temperature test and repeatability (20, 40, -10 and 20 °C)	NMi Certin B.V	1263 50 kg C3, 300 kg C3
Temperature effect on minimum dead load output (20, 40, -10 and 20 °C)	NMi Certin B.V	1263 50 kg C3, 300 kg C3
Creep (20, 40 and -10 °C)	NMi Certin B.V	1263 50 kg C3, 300 kg C3
Minimum dead load output return (20, 40 and -10 °C)	NMi Certin B.V	1263 50 kg C3, 300 kg C3
Barometric pressure effects at room temperature	NMi Certin B.V	1263 50 kg C3
Damp heat, cyclic: marked CH (or not marked)	NMi Certin B.V.	1263 50 kg C3



Member State
The Netherlands

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: NMI Certin B.V.
Address: Hugo de Grootplein 1, Dordrecht
Person responsible: P.P.M. van Enckevort

Applicant

Name: Vishay Tedeo-Huntleigh Ltd.
Address: 5a Hazoran Street
Netanya, 42506
Israel

Manufacturer of the certified pattern

Name: Vishay Tedeo-Huntleigh Ltd.
Address: 5a Hazoran Street
Netanya, 42506
Israel

Identification of the certified pattern

Type : 1263
Fraction : $P_1 = 0.7$
Temperature range $-10\text{ °C} / +40\text{ °C}$

Maximum capacity (E_{max})	50 kg up to and including 250 kg			300 kg up to and including 635 kg		
Accuracy class	C					
Maximum number of load cell verification intervals (n_{max})	1000	2000	3000	1000	2000	3000
Ratio of minimum LC verification interval $Y = E_{max} / V_{min}$	2000	4000	15000	2000	4000	15000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3100			5300		

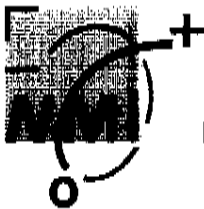
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OIML Certificate N° R60/2000-NL1-03.12

Project number 305753

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Member State
The Netherlands

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report, the test certificate and the description with number TC6092 and the appertaining documentation folder), with the requirements of the following Recommendation(s) of the International Organization of Legal Metrology (OIML):

R60
edition 2000 (E)
for accuracy class C

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation(s).

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated test report:

N° R60/2000-NL1-03.12A, that includes 40 pages;

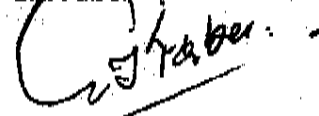
N° R60/2000-NL1-03.12B, that includes 38 pages.

The issuing authority
P.P.M. van Enckevort
Manager Certification Delft



18 June 2003

The OIML member
G.J. Faber



18 June 2003

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