



Nederlands Meetinstituut

Test certificate

Number **TC2559** revision 5
Project number 211567
Page 1 of 4

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

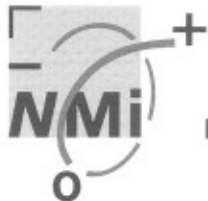
Applicant Tedeo-Huntleigh International, Ltd.
5a Hatzoran St.,
Netanya, 42506
Israel

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 : 1260

Characteristics

| | | | |
|--|----------------------------------|------|-------|
| Maximum capacity (E_{max}) | 50 kg up to and including 660 kg | | |
| Accuracy Class | C | | |
| Maximum number of load cell intervals (n) | 1000 | 2000 | 3000 |
| Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$ | 3333 | 6666 | 15000 |

In the description TC2559 revision 5 further characteristics are described.



Nederlands Meetinstituut

Test certificate

Number **TC2559** revision 5
Project number 211567
Page 2 of 4

Description and documentation The load cell is described in the description number TC2559 revision 5 and documented in the documentation folder number TC2559-3, appertaining to this test certificate.

Remarks Summary of the test involved: see Appendix number TC2559 revision 5.
This revision test certificate replaces the earlier version, except for its documentation folder.

Delft, 2 October 2002
NMI Certin B.V.
I.A.

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 1260-load cell | 478.001.00-4 | 2 | Mechanical (UNC) |
| Model 1260 load cell | 478.000.00-4 | 2 | Mechanical (metric) |
| Model 1260 load cell | 478.970.00-4 | A | Mechanical (high cable exit, Metric, UNC) |
| Model 1260 load cell | 478.970.00-4 | C | Mechanical (high cable exit, Metric, UNC) |

Cable:

- The load cell is provided with a 6-wire system.
- 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 \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 | : Anodised aluminium or Aluminium |
| Atmospheric protection | : Flexible silicone rubber |

1.3 Essential shapes

The load cell is built according to the drawings:

- Model 1260 load cell, drawing number 478.001.00-4;
- Model 1260 load cell, drawing number 478.000.00-4;
- Model 1260 load cell, drawing number 478.970.00-4.

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: TC2559.

Securing:

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



Nederlands Meetinstituut

Appendix

Number **TC2559** revision 5
Project number 211567
Page 4 of 4

Tests carried out for this test certificate on the load cell model 1260.

| Test | Institute | type, version, remarks |
|--|-----------------|------------------------|
| Temperature test and repeatability (20, 40, -10 and 20 °C) | NMi Certin B.V | 50 kg C3 and 500 kg C3 |
| Temperature effect on minimum dead load output (20, 40, -10 and 20 °C) | NMi Certin B.V | 50 kg C3 and 500 kg C3 |
| Creep test (20, 40 and -10 °C) | NMi Certin B.V | 50 kg C3 and 500 kg C3 |
| Minimum load output return (20, 40 and -10 °C) | NMi Certin B.V | 50 kg C3 and 500 kg C3 |
| Barometric pressure test at room temperature | NMi Certin B.V | 50 kg C3 and 500 kg C3 |
| Humidity test | NMi Certin B.V. | 50 kg C3 and 500 kg C3 |



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: Tedeo Huntleigh International, Ltd.
Address: 5a Hatzoran St.
Netanya, 42506
Israel

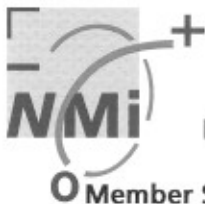
Manufacturer of the certified pattern

Name: Tedeo Huntleigh International, Ltd.
Address: 5a Hatzoran St.
Netanya, 42506
Israel

Identification of the certified pattern

Type: 1260
Fraction : $P_i = 0.7$
Temperature limit : $-10\text{ °C} / +40\text{ °C}$

| | | | |
|--|----------------------------------|------|-------|
| Maximum capacity (E_{max}) | 50 kg up to and including 660 kg | | |
| Accuracy Class | C | | |
| Maximum number of load cell intervals (n) | 1000 | 2000 | 3000 |
| Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$ | 3333 | 6666 | 15000 |



Nederlands Meetinstituut

Member State
The Netherlands

OIML Certificate N° R60/2000-NL-02.34
Project number 211567
Page 2 of 2

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 TC2559 and the appertaining documentation folder), with the requirements of the following Recommendation(s) of the International Organisation 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° R60/1991-NL-95.06, that includes 38 pages;
N° R60/2000-NL-00.13A, that includes 37 pages;
N° R60/1991-NL-00.13B, that includes 38 pages;

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

P.P.M.

2 October, 2002

The OIML member
G.J. Faber

G.J. Faber

2 October, 2002

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Important note: Apart from the mention of the certificate's reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.