Test certificate

Nederlands Meetinstituut

Number **TC2559** revision 5
Project number 211567

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

Tedea-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 : Tedea-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.

Test certificate

Nederlands Meetinstituut

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 Enckevort
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 ± 0.2 mV/V
Input impedance	:	415 Ω ± 15 Ω
Output impedance	:	350 Ω ± 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

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

Nederlands Meetinstituut

O Member State
The Netherlands

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

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: Tedea Huntleigh International, Ltd.

Address: 5a Hatzoran St.
Netanya, 42506
Israel

Manufacturer of the certified pattern

Name: Tedea 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 °C / +40 °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
Hugo de Grootplein 1
3314 EG Dordrecht
Telephone +31 78 6332332
Telefax +31 78 6332309

NMi B.V.
(Chamber of Commerce no.27.228.701)

Subsidiary companies:
NMi Van Swinden Laboratorium B.V. (27228703)
NMi Certin B.V. (27.233.418)
Verispect B.V. (27.228.700)

This document is issued under the provision that NMi B.V. nor its subsidiary companies accept any liability.

Reproduction of the complete document is allowed. Parts of the document may only be reproduced after written permission

Nederlands Meetinstituut

Member State
The Netherlands

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

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
I.A.

2 October, 2002

The CIML member
G.J. Faber

2 October, 2002

*
* *

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.