

Nederlands Meetinstituut

Test certificate

Number **TC2274** revision 4
Project number 10130814
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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 Tedea-Huntleigh International Ltd.
5a Hatzoran 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 : Tedea-Huntleigh
Type : 1320

Characteristics

Maximum capacity (E_{max})	1000, 1500 and 2000 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	6667	10000

In the description TC2274 revision 4 further characteristics are described.

Description and documentation The load cell is described in the description number TC2274 revision 4 and documented in the documentation folder number TC2274-4, appertaining to this test certificate.

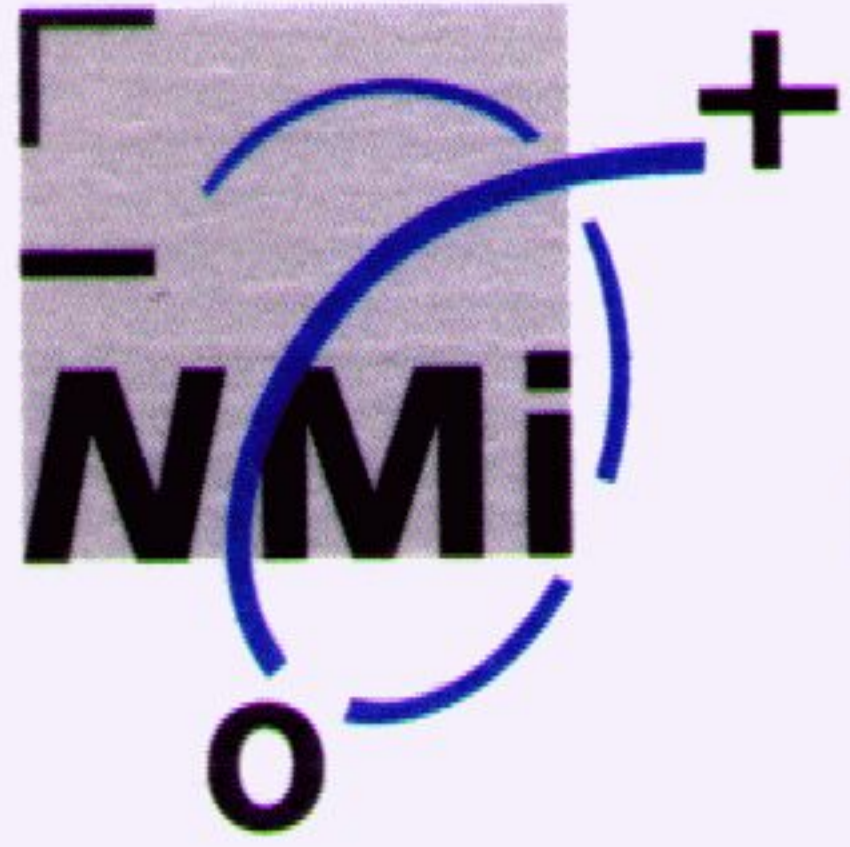
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Remarks

Summary of the test involved: see Appendix number TC2274 revision 4
This revision test certificate replaces the earlier versions, including its documentation folder.

Delft, 17 April 2001
NMI Certin B.V.

W.A.C.M. van Leeuwen
Manager Certification

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
Internal Construction	1000.000.85-2	1	Mechanical & Electrical
General Dimensions	453.903.00-3	C	Mechanical
General Dimensions	453.903.01-3	B	Mechanical
Wired sensor	453.903.30-2	C	Electrical

Cable:

- The load cell is provided with a 6-wire system.
- Because "remote-sensing" is used the 6-wire cable length can vary. The standard length is 6 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 \pm 10%
Input impedance	: 415 Ω \pm 15 Ω
Output impedance	: 350 Ω \pm 3 Ω
Recommended excitation	: 15 V DC or AC
Excitation maximum	: 10 V DC or AC
Transducer material	: two beam aluminium parallelogram
Atmospheric protection	: Polyurethane or Silicone based potting material

1.3 Essential shapes

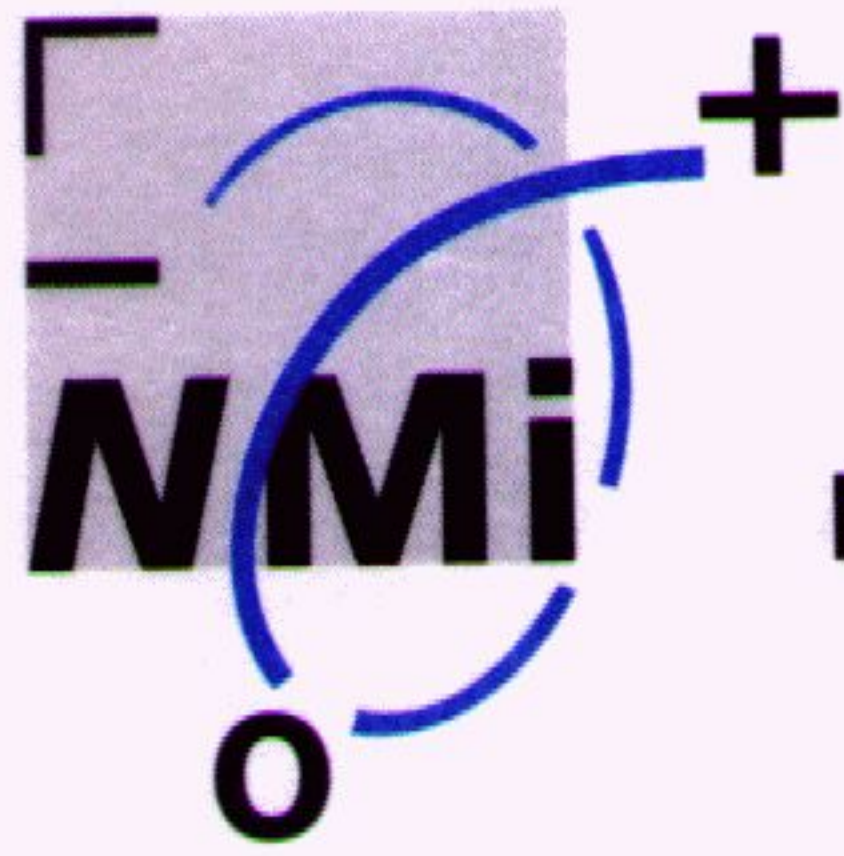
The load cell is built according to drawing:

- Internal Construction, drawing number 1000.000.85-2;
- General Dimensions, drawing number 453.903.00-3;
- General Dimensions, drawing number 453.903.01-3;
- Wired sensor, drawing number 453.903.30-2.

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: TC2274.

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	C3, 1000 kg
Temperature effect on minimum dead load output (20, 40, -10 and 20 °C)	NMi Certin B.V	C3, 1000 kg
Creep test (20, 40 and -10 °C)	NMi Certin B.V	C3, 1000 kg
Minimum load output return (20, 40 and -10 °C)	NMi Certin B.V	C3, 1000 kg
Barometric pressure test at room temperature	NMi Certin B.V	C3, 1000 kg
Humidity test	NMi Certin B.V.	C3, 1000 kg