

Nederlands Meetinstituut

Test certificate

Number TC5940 revision 0

Project number 10136730

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Issued by NMiCertin 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_j , 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 : 1330

Characteristics

Maximum capacity (E_{max})	500, 635,750 and 1000 kg		
Accuracy Class	C		
Maximum number of load cell intervals (n)	1000	2000	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	2000	4000	15000

In the description TC5940 revision 0 further characteristics are described.

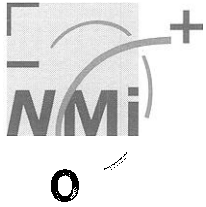
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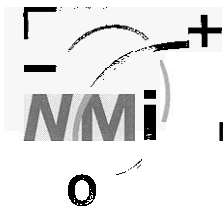
Description and documentation The load cell is described in the description number TC5940 revision 0 and documented in the documentation folder TC5940-1, appertaining to this test certificate.

Remarks Summary of the test involved: see Appendix number TC5940 revision 0

Delft, 27 September 2001
NMI Certin B.V.

P.P.M.

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
General dimensions	451 .000.00-3	B	Mechanical
Wired sensor	451.200.00-2	D	Electrical

Cable:

The load cell is provided with a 6-wire system.
Remote-sensing (6-wire system) is used the cable length can vary between 0.2 to 10 meter.
The cable should be a shielded cable, the shield is not connected to the load cell.

1.2 Essential characteristics

Minimum dead load	
Safe overload	150 % of E_{max}
Rated Output	2.0 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	Potted

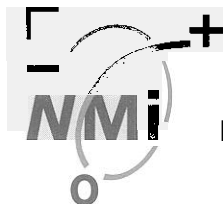
1.3 Essential shapes

The load cell is built according to drawing: General dimensions, drawing number 451.000.00-3 revision B

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: TCS940.

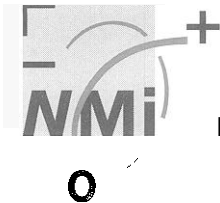
Securing:

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 1330 500 kg C3
Temperature effect on minimum dead load output (20, 40, -10 and 20 °C)	NMi Certin B.V	Model 1330 500 kg C3
Creep test (20, 40 and -10 °C)	NMi Certin B.V	Model 1330 500 kg C3
Minimum load output return (20, 40 and -10 °C)	NMi Certin B.V	Model 1330 500 kg C3
Barometric pressure test at room temperature	NMi Certin B.V	Model 1330 500 kg C3
Humidity test	NMi Certin B.V.	Model 1330 500 kg C3



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Documentation folder

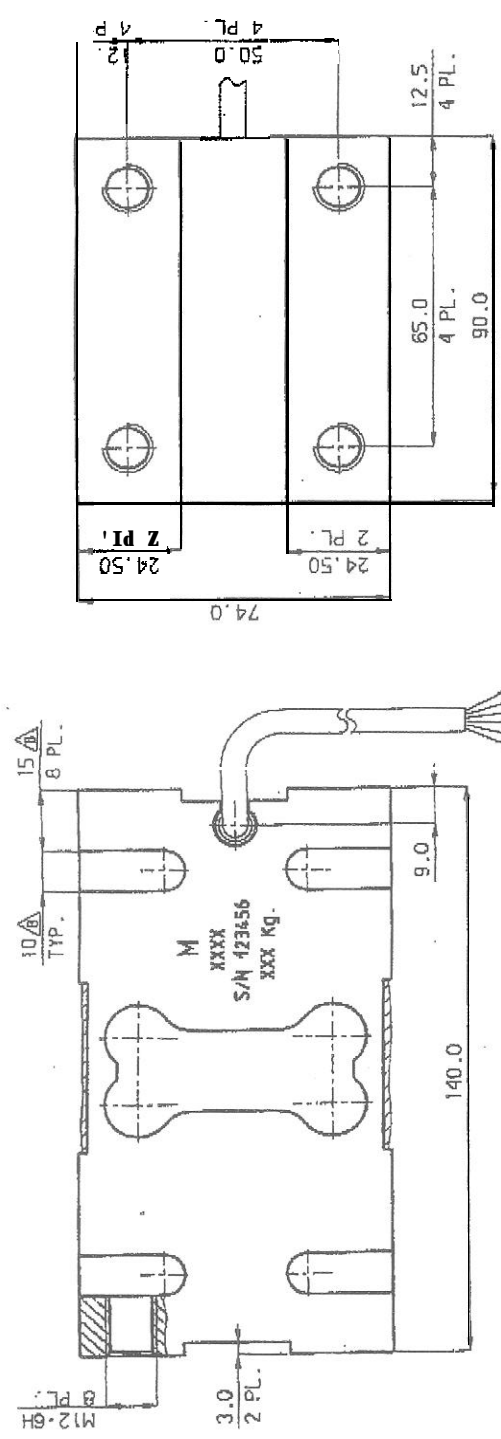
Number TC5940-1

Project number 10136730

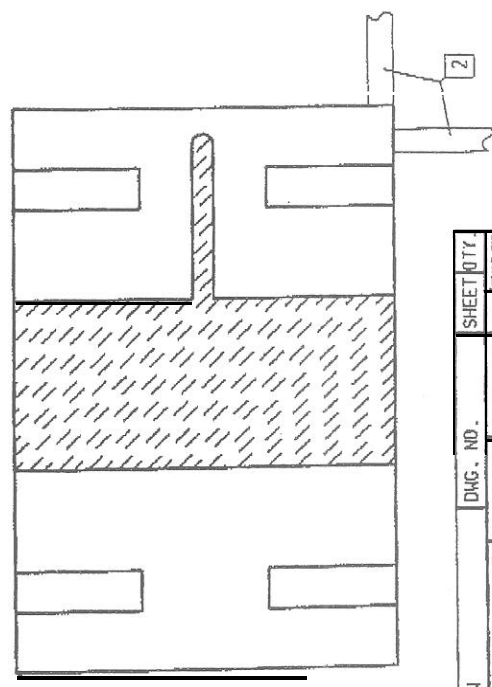
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Description	Drawing number	Rev.	Remarks
General dimensions	451 .000.00-3	B	Mechanical
Wired sensor	451.200.00-2	D	Electrical

INITIAL PILOT RELEASE.	1600	15.2.00	EREZ S.	YAEI
CORRECT ERROR - ADD DIM. 1	1557	8.6.00	TAL R.	YAEI



SIX LEAD SHIELDED CABLE
3 METER (10 FT) LONG



NOTES:

- 1 DIMENSIONS IN MM.
- 2 SELECTED SIDE OR REAR CABLE EXIT.



NO	TITLE	DESCRIPTION	DATE	BY	CHK	SCALE	SHEET	TOTAL
1	GENERAL DIMENSIONS	MODEL 1330	1.2.00	YAEI			1	1
2	MATERIAL	LOAD CELL	1.2.00	ANIR			1	1
3	TREATMENT		1.2.00				1	1
DRAWING NO. 451.000.00-3								