



Number **TC5367** revision 3
Project number 610271
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Issued by NMI Certin B.V.
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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.

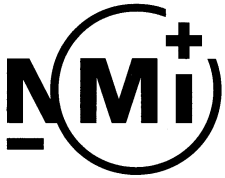
Applicant Mettler-Toledo (Changzhou) Precision Instrument Ltd.
No.5 Middle HuaShan Road
Changzhou Jiangsu, 213022
P.R. of China

In respect of The model of a single point load cell, with strain gauges, tested as a part of a weighing instrument.
Manufacturer : Mettler-Toledo (Changzhou) Precision Instrument Ltd.
Type : MT1260 series

Characteristics

Maximum capacity (E_{max})	50 kg up to and including 750 kg
Accuracy Class	C
Maximum number of load cell intervals (n)	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	6000

In the description TC5367 revision 3 further characteristics are described.



Nederlands Meetinstituut

Test certificate

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Description and documentation The load cell is described in the description number TC5367 revision 3 and documented in the documentation folder number TC5367-3, appertaining to this test certificate.

Remarks Summary of the test involved: see Appendix number TC5367 revision 3.
This revision test certificate replaces the earlier version, including its documentation folder.

Dordrecht, 12 December 2006
NMI Certin B.V.



Ing. C. Oosterman
Manager Product 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
Loadcell MT1260 50 kg – 635 kg	124307 ~ 124311	A	Mechanical
Loadcell MT1260 750 kg	180491-2	A	Mechanical
Loadcell MT1260 50 – 750 kg (w/slot)	72200561 - 72200570	A	Mechanical
Loadcell MT1260 50 kg – 635 kg	125944R ~ 125952R	-	Electrical

Cable:

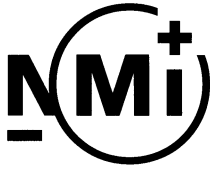
The load cell is provided with a 6-wire system.

Because "remote-sensing" is used the cable length is free, standard cable length is 3 meters.

The cable should be a shielded cable, the shield is or 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	: 410 Ω \pm 10 Ω
Output impedance	: 350 Ω \pm 4 Ω
Recommended excitation	: 5 - 15 V DC/AC
Excitation maximum	: 20 V DC/AC
Transducer material	: LY 12-CZ, Aluminium Alloy
Atmospheric protection	: Silicon rubber



1.3 Essential shapes

The load cell is built according to the drawings:

- Loadcell MT1260 50 kg – 635 kg, drawing number 124307A ~ 124311A;
- Load cell MT1260 750 kg, drawing number 180491-2 rev. A;
- Loadcell MT1260 50 – 750 kg (w/slot), drawing number 72200561 – 72200570A.

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: TC5367.

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: 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 (20, 40 and -10 °C)	NMi Certin B.V.	50 kg C3 and 500 kg C3
Minimum dead load output return (20, 40 and -10 °C)	NMi Certin B.V.	50 kg C3 and 500 kg C3
Barometric pressure effects at room temperature	NMi Certin B.V.	50 kg C3 and 500 kg C3
Damp heat, cyclic: marked CH (or not marked)	NMi Certin B.V.	50 kg C3 and 500 kg C3