



Issued by NMI Certin B.V.
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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_i , meant in the paragraph 3.5.4. of the standard is 0.7.

Applicant Revere Transducers Europe B.V.
Ramshoorn 7
4824 AG Breda
The Netherlands

In respect of **A shear-beam load cell**, with strain gauges, tested as a part of a weighing instrument.
Manufacturer : Revere Transducers
Type : SSB

Characteristics

Maximum Capacity (E_{max})	500, 1000, 2000, 5000 und 10000 kg				2000, 5000 und 10000 kg			
Accuracy Class	C							
Maximum number of load cell intervals (n)	1000	2000	3000	3000 (MR)	3000	3000	4000	4000 (MR)
Ratio of minimum LC verification interval $Y = E_{max} / V_{min}$	10000		20000	15000		10000	20000	
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	--		--	6000	8000	--	--	

In the description number TC2663 revision 4 further characteristics are described.



Nederlands Meetinstituut


Test certificate

Number **TC2663** revision 4
Project number 500418
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Description and documentation The load cell is described in the description number TC2663 revision 4 and documented in the documentation folder TC2663-2, appertaining to this test certificate.

Remarks Summary of the test involved: see Appendix number TC2663 revision 4
This revision test certificate replaces the earlier version(s), except its documentation folder.

Dordrecht, 17 February 2005
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
Assembly SSB All Capacity's	E-402002	0	--
SSB: Specifications	5/9/58/03 E	0	

Cable:

- The load cell is provided with a 4-wire system.
The cable length has to be approximately 5 meters or has to correspond with the Option code see below.
The cable length shall not be modified.

Nomenclature:

SSB-yyy-Cz-option-option

SSB type designation
 yyy standard capacity (t)
 z accuracy designation (number of interval x 1000)
 Options "ATEX" for potentially explosive atmospheres
 "L" the height of the 5 t and 10 t is 50 mm instead of 69.9 mm
 "T" hole marked K, with M16 for 0.5 t until 2 t and M24 for 5 t and 10 t capacities
 ..m or ..ft Cable length, other than being standard.

1.2 Essential characteristics

Minimum dead load : 0 kg
 Safe overload : 150 % of E_{max}
 Rated Output : 2 mV/V \pm 0.02 mV/V
 Input impedance : 350 Ω \pm 3.5 Ω
 Output impedance : 350 Ω \pm 3.5 Ω
 Recommended excitation : 5 ... 15 V DC/AC
 Excitation maximum : 18 V DC/AC
 Transducer material : Stainless Steel 17-4 PH
 Atmospheric protection : welded Stainless Steel cups



1.3 Essential shapes

The load cell is built according to drawing:

- Assembly SSB All Capacity's, drawing number E-402002;
- SSB: Specifications, drawing number 5/9/58/03 E.

The data plate is secured against removal by sealing 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: TC2663.

Securing:

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

Tests performed for this test certificate:

Test	Institute	type, version, remarks
Temperature test and repeatability (20, 40, -10 and 20 °C)	NMi Certin B.V.	SSB-0.5 t-C3MR and SSB-2.0 t-C4
Temperature effect on minimum dead load output (20, 40, -10 and 20 °C)	NMi Certin B.V.	SSB-0.5 t-C3MR and SSB-2.0 t-C4
Creep (20, 40 and -10 °C)	NMi Certin B.V.	SSB-0.5 t-C3MR and SSB-2.0 t-C4
Minimum dead load output return (20, 40 and -10 °C)	NMi Certin B.V.	SSB-0.5 t-C3MR and SSB-2.0 t-C4
Barometric pressure effects at room temperature	NMi Certin B.V.	SSB-0.5 t-C3MR and SSB-2.0 t-C4
Damp heat, cyclic: marked CH (or not marked)	NMi Certin B.V.	SSB-0.5 t-C3MR and SSB-2.0 t-C4