



Generalitat de Catalunya
Departament d'Innovació, Universitats i Empresa
Secretaria d'Indústria i Empresa
Subdirecció General de Seguretat Industrial
Servei d'Automòbils, Productes i Metrologia

TEST CERTIFICATE

First addition to number E-08.02.C08

LOAD CELL TYPE MN

Issued by: Secretaria d'Indústria i Empresa - Generalitat de Catalunya
(Notified Body number 0315)
Avinguda de la Diagonal, 405 bis
E-08008 BARCELONA SPAIN

In accordance with: Paragraph 8.1 of the European Standard "Metrological aspects of non-automatic weighing instruments" EN 45501:1992(+AC:1993). The applied error fraction p_i with reference to paragraphs 3.5.4 and 4.12 of this standard is 0,7. Following paragraph 4.12 of this standard, the tests have been performed according to the OIML International Recommendation, OIML R 60 (2000).

Issued to: SENEL TECHNOLOGIES, S.A.
Passeig de la Riera, 28, Polígon Industrial Cova Solera
E-08191 RUBÍ SPAIN

In respect of: The model of a **load cell**, tested as part of a non-automatic weighing instrument.
Manufacturer: SENEL TECHNOLOGIES, S.A..
Type: MN.
This first addition complements the test certificate number E-08.02.C08, with changes relating to addition of new maximum capacities and a new version.

Characteristics:

Classification		C4↓	C5↓	---	
Maximum number of LC verification intervals n_{LC}		4000	5000	---	
Maximum capacity E_{max}	Versions MN-B and MN-C	10, 15, 18, 36, 40 and 50	---	kg	
	Version MN-6	50, 75, 100, 150, 200 and 250	---	kg	
	Version MN-8	50, 75, 100, 150, 200 and 250	300 and 500	kg	
	Version MN-10	---	250, 300, 500 and 1000	kg	
Ratio minimum LC verification interval $Y=E_{max}/V_{min}$		12000	10000	---	
additional marking --	temperature limits -10°C/+40°C	rated output C = 2 mV/V	impedance input $R_{LC} = 390 \Omega$	minimum dead load $E_{min} = 0 \text{ kg}$	safe overload $E_{lim}/E_{max} = 120 \%$

The main characteristics are shown in the descriptive annex, which is an integral part of the test certificate and consists of 7 pages.

The type is described in the submitted technical documentation, identified with number 15/08. The changes covered by this addition are described in the submitted additional technical documentation, identified with number 25/10.

For delegation
of Secretari d'Indústria i Empresa
**THE HEAD OF THE SERVICE OF AUTOMOBILES,
PRODUCTS AND METROLOGY**

Carles Sans Ravellat

Barcelona, 2 December 2010



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This document shall not be reproduced except in full, with the annex.
This test certificate refers only to metrological requirements.
This test certificate cannot be used without applicant's authorization.

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