



Generalitat de Catalunya
Departament d'Empresa i Ocupació
**Direcció General d'Energia, Mines
i Seguretat Industrial**

Subdirecció General de Seguretat Industrial
Servei d'Automòbils, Metrologia i Productes
Secció de Metrologia

TEST CERTIFICATE

Number E-11.02.C04

LOAD CELL TYPE DC

Issued by: Direcció General d'Energia, Mines i Seguretat Industrial - 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: DC.

Characteristics:

Classification		C3↓							--
Maximum number of LC verification intervals n_{LC}		3000							--
Maximum capacity E_{max}	Version DC-1	10							t
	Version DC-2	10	15	20	25	30	40	50	t
Ratio minimum LC verification interval $Y = E_{max}/v_{min}$		15000							--
additional marking	temperature limits	rated output	impedance input		minimum dead load		safe overload		
--	-10°C/+40°C	C = 2 mV/V	$R_{LC} = 700 \Omega$		$E_{min} = 0 \text{ kg}$		$E_{lim}/E_{max} = 150\%$		

The main characteristics are shown in the descriptive annex, which is an integral part of the test certificate and consists of 11 pages.

The type is described in the submitted technical documentation, identified with number 11/11.

The summary of tests involved can be found in the descriptive annex.

THE DEPUTY DIRECTOR OF INDUSTRIAL SAFETY

by delegation of competences, according to the resolution EMO/991/2011,
of 12 April 2011 (DOGC 5865, of 26/04/2011)

Isidre Masalles i Roman



Generalitat de Catalunya
Departament d'Empresa i Ocupació
Direcció General d'Energia, Mines
i Seguretat Industrial
Subdirecció general de Seguretat Industrial

Barcelona, 11 November 2011

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This test certificate refers only to metrological requirements.
This test certificate cannot be used without applicant's authorization.