



National  
Measurement &  
Regulation Office



Member State of OIML  
United Kingdom of Great Britain  
and Northern Ireland

OIML Certificate No  
R60/2000-GB1-16.04

## OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement and Regulation Office**

Person responsible: **Paul Dixon – Director, Technical Services**

Applicant: **Tecnicas de Electronica y Automatismos S.A.  
Calle Espronceda 176-180  
Barcelona 08018  
Spain**

Manufacturer: **The applicant**

Identification of the  
certified pattern: **650**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

**OIML R 60 - Edition 2000(E) for accuracy class: [C3]**

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

Issue Date: **01 March 2016**

Reference No: **TS13/0038**

**Grégory Glas**  
**Technical Manager - NMRO Technical Services**  
*For and on behalf of the Chief Executive*



0135

National Measurement and Regulation Office | Stanton Avenue | Teddington | TW11 0JZ | United Kingdom  
Tel +44 (0) 20 8943 7272 | Fax +44 (0) 20 8943 7270 | Web [www.gov.uk/nmro](http://www.gov.uk/nmro)  
The NMRO is an Executive Agency of the Department for Business Innovation and Skills

The conformity was established by testing and examination described in LGAI Test Reports 15/34537117/L1 & 15/34537117/L2 which include 29 pages and 28 pages respectively.

**Characteristics of the Load Cell:**

Model designation	Designation	Value	Units
Classification		C3	
Additional marking		CH or no symbol	
Maximum number of load cell verification intervals	$n_{LC}$	3,000	
Maximum capacity	$E_{max}$	500, 750, 1000, 2000, 3000, 4000, 5000	kg
Minimum dead load, relative	$E_{min}/E_{max}$	0	%
Relative $v_{min}$ (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	10,000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	3,000	
Rated output		2.0	mV/V
Maximum excitation voltage		15	V dc
Input impedance (for strain gauge LCs)	$R_{LC}$	400	$\Omega$
Temperature rating		-10 / + 40	$^{\circ}C$
Safe overload, relative	$E_{lim}/E_{max}$	150	% F.S
Fraction	$P_{LC}$	0.7	
Cable length		5	m
Additional characteristics		No	

**CERTIFICATE HISTORY**

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-16.04	01 March 2016	Certificate first issued.
-	-	No revisions have been issued.