NMO	OIML Certification System
OIML Member State United Kingdom of Great Britain and Northern Ireland	**OIML Certificate No.** **R60/2000-A-GB1-18.02** **Revision 2**

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority	**NMO** **Stanton Avenue** **Teddington** **TW11 0JZ** **United Kingdom**
Person responsible:	**Mannie Panesar – Head of Technical Services**
Applicant	**Tecnicas de Electronica y Automatismos, S.A.** **C\Espronceda 176 - 180** **E-08018 Barcelona** **Spain**
Manufacturer	**The applicant**
Identification of the certified type	**730** *(the detailed characteristics are defined in the Descriptive Annex)*

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 60, Edition: 2000

For accuracy class: **C4 or C3**

Issue date: 13 December 2018

The OIML Issuing Authority

Grégory Glas
Lead Technical Manager
For and on behalf of the Head of Technical Services

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. P02542-1 dated 13 December 2018 that includes 3 pages

The technical documentation relating to the identified type is contained in documentation file:

No. P02197-D dated 25 May 2018.

OIML Certificate History

Revision No.	**Date**	**Description of the modification**
Revision 0	25 May 2018	Certificate first issued
Revision 1	23 October 2018	Maximum Capacity: lower range extended to include 22.5 t. Accuracy class C4 and Y = 15000, for E_{max} 22.5 t – 112.5 t.
Revision 2	13 December 2018	Type evaluation report number changed from P02197

This revision replaces previous versions of the certificate

Important note:
Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

DESCRIPTIVE ANNEX

Characteristics of the Load Cell:

	Designation	**Value**							**Units**
Accuracy Class		C4						C3	
Additional marking		CH							
Maximum number of load cell verification intervals	n_{LC}	4 000						3 000	
Maximum capacity	E_{max}	22.5	30	40	50	100	112.5	150	t
Minimum dead load, relative	E_{min}/E_{max}	0							%
Minimum load cell verification interval	v_{min}	1.5	2	2.7	3.4	6.7	7.5	15	kg
Relative v_{min} (ratio to minimum load cell verification interval)	$Y = E_{max}/v_{min}$	15 000						10 000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	4 000						3 000	
Rated output		2							mV/V
Maximum excitation voltage		15							Vac/dc
Input impedance (for strain gauge load cells)	R_{LC}	1150 ± 50							Ω
Temperature rating		-10 / + 40							°C
Safe overload, relative	E_{lim}/E_{max}	200							% F.S
Apportionment factor	P_{LC}	0.7							
Cable length:		≤ 18							m
Additional characteristics:	6 wire								
Transducer material	Stainless steel								
Atmospheric protection	Hermetic Welded								
Output impedance	1005 ± 5								Ω
Reference excitation voltage	10								Vac/dc
Cable cross-section	0.25								mm^2