



NMO

**OIML Member State**

United Kingdom of Great Britain and Northern Ireland

OIML Certificate No.
R60/2000-A-GB1-18.02**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: 2000For accuracy class: **C3**

Issue date: 25 May 2018

The OIML Issuing Authority

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



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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. P02197 dated 25 May 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 |
| - | - | - |

No revisions have been issued.

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 | | C3 | | | | | |
| Additional marking | | CH | | | | | |
| Maximum number of load cell verification intervals | n_{LC} | 3 000 | | | | | |
| Maximum capacity | E_{max} | 30 | 40 | 50 | 100 | 150 | t |
| Minimum dead load, relative | E_{min}/E_{max} | 0 | | | | | % |
| Minimum load cell verification interval | V_{min} | 3 | 4 | 5 | 10 | 15 | kg |
| Relative v_{min} (ratio to minimum load cell 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 ac/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 | | | | | V ac/dc |
| Cable cross-section | | 0.25 | | | | | mm ² |

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