



MINISTERIO  
DE CIENCIA  
Y TECNOLOGÍA



**CENTRO ESPAÑOL DE METROLOGÍA**  
C/ del Alfar, nº 2 - 28760 Tres Cantos (Madrid)

Member State of OIML  
SPAIN

OIML Certificate N°:  
R60/2000-ES-03.03

## OIML CERTIFICATE OF CONFORMITY

### Issuing authority

Name: **Centro Español de Metrología**

Address: **C/ Alfar, 2  
E-28760 Tres Cantos - Madrid (Spain)**

Person responsible: **José A. Robles Carbonell  
Head of force division**

### Applicant

Name: **TRANSDUTEC, S.A.**

Address: **C/ Joan Miró, 11  
Sant Adrià del Besòs (Barcelona)  
España**

**Manufacturer:** **TRANSDUTEC, S.A.**  
of the certified pattern:

**Identification:** **Type TPP-3**  
of the certified pattern:

Further characteristics see page 2

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(s) of the International Organization of Legal Metrology ( OIML ):

**R60**  
**edition 2000 (E)**  
**for accuracy class C**  
**P<sub>i</sub> = 0.7**

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

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



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The conformity was established by test described in the associated test report N° CEM-IYO-03/0325-5.1 dated on 4 September 2003, that includes 18 pages.

The issuing authority



Centro Español de Metrología

Date : 4-September-2003

The OIML member

Ángel García San Román  
Director

Date : 4-September-2003

**Characteristics:**

Maximum number of LC verification interval ( $n_{LC}$ )	<b>3000</b>
Maximum capacity ( $E_{max}$ )	<b>50, 75, 100, 150, 200 kg</b>
Accuracy class	<b>C</b>
Temperature range	<b>-10/40 °C</b>
Direction of loading	<b>Bending beam</b>
Input impedance ( $R_{LC}$ )	<b>386 ohm <math>\pm</math> 2%</b>
Safe overload, relative	<b>125% <math>E_{max}</math></b>
Maximum excitation voltage	<b>18 V</b>
Minimum verification interval ( $V_{min}$ )	<b><math>E_{max} / 9500</math></b>
Minimum dead load, relative ( $E_{min}/E_{max}$ )	<b>0 %</b>
Complete load cell classification	<b>C3 ↓</b>

**Important note:** Apart from the mention of the certificate's 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.