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

OIML Certificate No
R60/2000-GB1-08.07

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**

Address: **Stanton Avenue**
Teddington
Middlesex
TW11 0JZ
United Kingdom

Person responsible: **Gavin Stones – Deputy Product Certification Manager**

Applicant

Name: **Transdutec, S.A**

Address: **CL. Joan Miro 11**
08930 Sant Adria De Besós
Barcelona
Spain

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

Alloy steel bending beam strain gauge load cell

Model Designation	TPF-4					
Maximum capacity, E_{max}	8	10	15	18	35	40
Accuracy class	C3					
Maximum number of load cell intervals, n_{max}	3000					
Minimum verification interval, V_{min}	E_{max} / 4000					
Apportionment factor; p_{LC}	0.7					

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 Certificate No
R60/2000-GB1-08.07

R 60 *Metrological regulation for load cells* **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.

The conformity was established by tests described in the associated:

Test report: PTB 1.12-4033020 having 35 pages (issued by PTB)

Issuing authority

Mr G Stones
for NWML

CIML member

Mr P Mason

Date 07 July 2008
Ref: T1136/0030

Essential technical data

Model designation	*Designation*	*Value*	*Units*
Classification		C3	
Additional marking		-	
Maximum number of load cell verification intervals	n_{LC}	3000	
Maximum capacity	E_{max}	8, 10, 15, 18, 35, 40	kg
Minimum dead load, relative	E_{min}/E_{max}	0	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	4000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	-	
Rated output		2.0 ± 10 %	mV/V
Maximum excitation voltage		18	V dc
Input impedance (for strain gauge LCs)	R_{LC}	386 ± 2 %	Ω
Temperature rating		-10/+40	°C
Safe overload, relative	E_{lim}/E_{max}	125	% F.S
Cable length		2	m
Additional characteristics		4-wire (plus screen)	

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.