



National
Measurement &
Regulation Office



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

OIML Certificate No
R60/2000-GB1-15.01

OIML CERTIFICATE OF CONFORMITY

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

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

Applicant: **TRANSDUTECH, S.A.
CL. INDUSTRIA 1 - B1
08390 MONTGAT
BARCELONA
SPAIN**

Manufacturer: **The applicant**

Identification of the
certified pattern: **Bending beam load cell Model GS-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 of the International Organisation of Legal Metrology (OIML):

OIML R 60 - Edition 2000(E) for accuracy class: C3 and C4

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 certificate 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: **12 May 2015**
Reference No: **TS13/0034**

P R Dixon
Director - Certification Services
For and on behalf of the Chief Executive



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The NMRO is an Executive Agency of the Department for Business Innovation and Skills

The conformity was established by testing and examination as described in the associated Test Certificate E-15.02.C01 which includes 12 pages and Test Report No. 15/34502918-L which includes 29 pages.

Characteristics of the Load Cell:

Model designation	Designation	Value	Units
Classification		C3 / C4	
Additional marking		---	
Maximum number of load cell verification intervals	nLC	3000 / 4000	
Maximum capacity	E_{max}	40, 50, 75, 100, 150, 200	kg
Minimum dead load, relative	E_{min}/E_{max}	0	%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	10000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	7000	
Rated output		2	mV/V
Maximum excitation voltage		18	V dc
Input impedance (for strain gauge LCs)	RLC	383	Ω
Temperature rating		-10°C / +40°C	°C
Safe overload, relative	E_{lim}/E_{max}	125	% F.S
Fraction	PLC	0.7	
Cable length	4 or 6 wire	5	m

Additional characteristics

Constructive material	Stainless steel	
Output impedance	350	Ω
Tolerance of Input / Output impedance	± 2	%
Reference excitation voltage	10	V(CC)
Excitation voltage limits	5 to 12	V
Cable cross-section	0.22	mm ²

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-15.01	12 May 2015	Certificate first issued.
-	-	No revisions have been issued.