

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

OIML Certificate No
R60/2000-GB1-14.01

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Product Certification Manager**

Applicant: **Group Four Transducers Inc.
22 Deer Park Drive
E. Longmeadow, MA 01028
USA**

Manufacturer: **3S Fabrications (Pvt) Ltd.**

Identification of the certified pattern: **GPB 75, 150 and 375 kg Planar Beam load cell**

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

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 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.

Issue Date: 04 March 2014
Reference No: TS13/0023



Signatory: P R Dixon

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The NMO is an Executive Agency of the Department for Business, Innovation & Skills



**National
Measurement
Office**

The conformity was established by tests described in the associated test report:

NMO Test Report №: SN 1276 having 21 pages.

Characteristics of the Load Cell

Model designation	Designation	Value	Units
Classification		C3	
Additional marking		NH	
Maximum number of load cell verification intervals	n_{LC}	3 000	
Maximum capacity	E_{max}	75, 150 & 375	kg
Minimum dead load, relative	E_{min}/E_{max}	0	%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	10 000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	19 634	
Rated output		$0.9 \pm 0.1\%$	mV/V
Maximum excitation voltage		15	V DC
Input impedance (for strain gauge LCs)	R_{LC}	$1\ 180 \pm 15$	Ω
Temperature rating		-10 / +40	$^{\circ}C$
Apportionment fraction	P_{LC}	0.7	
Safe overload, relative	E_{lim}/E_{max}	300	%
Maximum cable length		1.5	m

Certificate History

Issue №.	Date	Description
R60/2000-GB1-14.01	04 March 2014	Certificate first issued.
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The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the MAA Declaration of Mutual Confidence:

- R60 DoMC-01 Rev, 0, Additional requirements from the United States of America
- R60 DoMC-02 Rev, 0, Additional requirements from the United States of America