

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

OIML Certificate No
R60/2000-GB1-11.02
Revision 2

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **Zhejiang South-Ocean Sensor Manufacturing Co Ltd
No.888 Xingyuan Street
Qianyuan Town
Deqing County
Zhejiang Province
P.R. China 313216**

Manufacturer: **The applicant**

Identification of the
certified pattern: **MS S-type stainless steel compression and tension
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: 17 June 2014
Reference No: TS13/0004


Signatory: P R Dixon

The conformity was established by tests described in the associated:

NMO Test reports: SN: 1174 having 23 pages
 SN: 1175 having 21 pages

Characteristics of the Load Cell:

Model designation	Designation	Value	Units
Classification		C3	
Additional marking		CH	
Maximum number of load cell verification intervals	n_{LC}	3 000	
Maximum capacity	E_{max}	1 000 – 5 000	kg
Minimum dead load, relative	E_{min}/E_{max}	0	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	6666.7	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	6 540 (Compression)	
		8 719 (Tension)	
Rated output		2	mV/V
Maximum excitation voltage		15	V DC
Input impedance (for strain gauge LCs)	R_{LC}	380	Ω
Temperature rating		-10 / +40	$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	120	% F.S
Apportionment factor	P_{LC}	0.7	
Cable length		5	m
Additional characteristics		4-wire	

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.

Certificate History

Issue №.	Date	Description
R60/2000-GB1-11.02	14 April 2011	Type approval first issued.
R60/2000-GB1-11.02 Revision 1	27 April 2011	Tension added to load cell approval.
R60/2000-GB1-11.02 Revision 2	17 June 2014	NTEP requirements/declaration added to certificate and test reports.