

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

OIML Certificate No  
R60/2000-GB1-11.02  
Revision 1

## 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. The conformity was established by tests described in the associated:

**Issue Date: 27 April 2011**  
**Reference No: TS13/0004**

  
**Signatory: P R Dixon**

NWML 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	$n_{LC}$	3000	
Maximum capacity	$E_{max}$	1000 - 5000	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)	$Z = E_{max}/(2*DR)$	6540 (Compression)	
		8719 (Tension)	
Rated output		2	mV/V
Maximum excitation voltage		15	V DC
Input impedance (for strain gauge LCs)	$R_{LC}$	380	$\Omega$
Temperature rating		-10 to +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	

**Certificate History**

ISSUE NO.	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