



# NMO



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

OIML Certificate No  
R60/2000-GB1-16.05

## OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**  
Person responsible: **Max Linnemann – Head of Certification Body**  
Applicant: **Thames Side Sensors Ltd  
Unit 10  
io Trade Centre, Deacon Way  
Reading, RG30 6AZ  
United Kingdom**  
Manufacturer: **The applicant**  
Identification of the certified pattern: **T66**

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] [C4] [C5] [C6]**

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: 20 July 2016**  
**Reference No: TS13/0043**

**Grégory Glas**  
**Technical Manager**  
*For and on behalf of the Head of Certification Body*



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NMO | Stanton Avenue | Teddington | TW11 0JZ | United Kingdom  
Tel +44 (0) 20 8943 7272 | Fax +44 (0) 20 8943 7270 | Web [www.gov.uk/government/organisations/regulatory-delivery](http://www.gov.uk/government/organisations/regulatory-delivery)  
NMO is part of the Regulatory Delivery directorate within the Department for Business, Innovation & Skills

The conformity was established by testing and examinations described in LGAI Test Reports 09/34513853 which includes 29 pages and 15/34536655 which includes 29 pages.

**Characteristics of the Load Cell:**

Model designation	Designation	Value				Units
Classification		C3	C4	C5	C6	
Additional marking		CH or no symbol				
Maximum number of load cell verification intervals	$n_{LC}$	3000	4000	5000	6000	
Maximum capacity	$E_{max}$	10-250	50-250			kg
Minimum dead load, relative	$E_{min}/E_{max}$	0				%
Relative $V_{min}$ (ratio to minimum load cell verification interval)	$Y = E_{max}/V_{min}$	10,000	10,000-18,000			
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	3000	4000	5000	6000	
Rated output		2.0				mV/V
Maximum excitation voltage		15				V dc
Input impedance (for strain gauge load cells)	$R_{LC}$	400				$\Omega$
Temperature rating		-10 / + 40				$^{\circ}C$
Safe overload, relative	$E_{lim}/E_{max}$	200				% F.S
Fraction	$P_{LC}$	0.7				
Cable length (4 wire)		3				m
Additional characteristics		Shielded cable, 0.25 mm <sup>2</sup> , 4-wire or 6-wire, shielding not connected to the load cell body.				

**CERTIFICATE HISTORY**

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-16.05	20 July 2016	Certificate first issued.
-	-	No revisions have been issued.