



NMO



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

OIML Certificate No
R60/2000-GB1-16.03

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: **T12**

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]

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: 15 April 2016
Reference No: TS13/0040

Grégory Glas

Technical Manager

For and on behalf of the Head of Certification Body



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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 16/34501492/L which includes 29 pages, 15/34539564/L which includes 28 pages and 13/34532251-L which includes 29 pages.

Characteristics of the Load Cell:

Model designation	Designation	Value		Units
Classification		C3	C4	
Additional marking		CH or no symbol		
Maximum number of load cell verification intervals	n_{LC}	3,000	4000	
Maximum capacity	E_{max}	15, 20, 30, 50, 75, 120, 185, 200, 250, 350	75, 120, 185, 200, 250, 350	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		
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	3,000	4,000	
Rated output		2.0		mV/V
Maximum excitation voltage		15		V dc
Input impedance (for strain gauge load cells)	R_{LC}	400		Ω
Temperature rating		-10 / + 40		$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150		% F.S
Fraction	P_{LC}	0.7		
Cable length (4-wire)		3		m
Additional characteristics		4-wire (0.25 mm ² , 3 m in length) shielded or 6-wire (0.25 mm ²) shielded, with the shielding not connected to the load cell, with remote sense.		

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-16.03	15 April 2016	Certificate first issued.
-	-	No revisions have been issued.