



National  
Measurement &  
Regulation Office



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

OIML Certificate No  
R60/2000-GB1-15.04

## OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement and Regulation Office**

Person responsible: **Paul Dixon – Director, Certification Services**

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: **T34**

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 classes: [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: **23 July 2015**  
Reference No: **TS13/0035**

**G Stones**  
**Technical Manager - Certification Services**  
*For and on behalf of the Chief Executive*

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The NMRO is an Executive Agency of the Department for Business Innovation and Skills



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The conformity was established by testing and examinations described in EC Test Certificate E-12.02.C07 which includes 12 pages, and LGAI Test Report 20019739L which includes 22 pages.

**Characteristics of the Load Cell:**

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>		<i>Units</i>
Classification		C3	C4	
Additional marking		CH or no symbol		
Maximum number of load cell verification intervals	$n_{LC}$	3,000	4,000	
Maximum capacity	$E_{max}$	15, 20, 25, 30, 40, 60		t
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)	$Z = E_{max}/(2*DR)$	3,000	4,000	
Rated output		$2.0 \pm 0.4$		mV/V
Maximum excitation voltage		15		V DC
Input impedance (for strain gauge LCs)	$R_{LC}$	$800 \pm 100$		$\Omega$
Temperature rating		-10 to +40		$^{\circ}C$
Apportionment fraction	$P_{LC}$	0.7		
Safe overload, relative	$E_{lim}/E_{max}$	150		%
Cable length		20 (max)		m
Additional characteristics		6 wire (0.25 mm <sup>2</sup> ) shielded, with the shielding not connected to the load cell, with remote sense.		

**CERTIFICATE HISTORY**

<b>ISSUE NO.</b>	<b>DATE</b>	<b>DESCRIPTION</b>
R60/2000-GB1-15.04	23 July 2015	Certificate first issued.
-	-	No revisions have been issued.