NMO

OIML Member State
United Kingdom of Great Britain and Northern Ireland

OIML Certificate No.
R60/2000-A-GB1-18.05

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority	**NMO** **Stanton Avenue** **Teddington** **TW11 0JZ** **United Kingdom**
Person responsible:	**Mannie Panesar – Head of Technical 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 type	**T35** *(the detailed characteristics are defined in the Descriptive Annex)*

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 60, Edition: 2000

For accuracy class: **C3**

Issue date: 21 June 2018

The OIML Issuing Authority

Grégory Glas
Lead Technical Manager
For and on behalf of the Head of Technical Services

UKAS PRODUCT CERTIFICATION
0135

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report (with the T35 load cell designated 730 in the report):

No. P02197 dated 25 May 2018 that includes 3 pages

The technical documentation relating to the identified type is contained in documentation file (with the T35 load cell designated 730 in the documentation):

No. P02197-D dated 25 May 2018.

OIML Certificate History

Revision No.	**Date**	**Description of the modification**
Revision 0	21 June 2018	Certificate first issued
-	-	-

No revisions have been issued.

Important note:
Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

DESCRIPTIVE ANNEX

Characteristics of the Load Cell:

	Designation	Value					Units
Accuracy Class		C3					
Additional marking		CH					
Maximum number of load cell verification intervals	n_{LC}	3 000					
Maximum capacity	E_{max}	30	40	50	100	150	t
Minimum dead load, relative	E_{min}/E_{max}	0					%
Minimum load cell verification interval	v_{min}	3	4	5	10	15	kg
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					
Rated output		2.0					mV/V
Maximum excitation voltage		15					V ac/dc
Input impedance (for strain gauge load cells)	R_{LC}	1150 ± 50					Ω
Temperature rating		-10 / + 40					°C
Safe overload, relative	E_{lim}/E_{max}	200					% F.S
Apportionment factor	P_{LC}	0.7					
Cable length:		≤ 18					m
Additional characteristics:	6 wire						
Transducer material	Stainless steel						
Atmospheric protection	Hermetic Welded						
Output impedance	1005 ± 5						Ω
Reference excitation voltage	10						V ac/dc
Cable cross-section	0.25						mm^2