
 NMO	
OIML Member State United Kingdom of Great Britain and Northern Ireland	OIML Certificate No. R60/2000-A-GB1-18.05 Revision 1
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 <i>(the detailed characteristics are defined in the Descriptive Annex)</i>	
<p>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):</p> <p>OIML R 60, Edition: 2000</p> <p>For accuracy class: C4 or C3</p>	
<p>Issue date: 14 May 2019</p> <p>The OIML Issuing Authority</p>  <p>G Stones Technical Manager <i>For and on behalf of the Head of Technical Services</i></p> <div style="text-align: right;">  0135 </div>	

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. P02542-1 dated 13 December 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
Revision 1	14 May 2019	Maximum Capacity: lower range extended to include 22.5 t. Accuracy class C4 and Y = 15000, for E_{\max} 22.5 t – 112.5 t. Type evaluation report number changed from P02197.

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		C4						C3	
Additional marking		CH							
Maximum number of load cell verification intervals	n _{LC}	4 000						3 000	
Maximum capacity	E _{max}	22.5	30	40	50	100	112.5	150	t
Minimum dead load, relative	E _{min} /E _{max}	0							%
Minimum load cell verification interval	v _{min}	1.5	2	2.7	3.4	6.7	7.5	15	kg
Relative v _{min} (ratio to minimum load cell verification interval)	Y = E _{max} /v _{min}	15 000						10 000	
Relative DR (ratio to minimum dead load output return)	Z = E _{max} /(2*DR)	4 000						3 000	
Rated output		2							mV/V
Maximum excitation voltage		15							Vac/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							Vac/dc
Cable cross-section		0.25							mm ²