



1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 11ATEX4321** Issue: **0**

4 Equipment: **Load Cells T34**

5 Applicant: **Thames Side Sensors Limited**

6 Address: **Unit 10
io Trade Centre
Deacon Way
Reading, RG30 6AZ
UK**

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-15:2005

EN 61241-0:2006

EN 61241-1:2004

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following:



II 3G D

Ex nA II T6

Ex tD A22 IP65 T85°C

D R Stubbings BA MIET
Certification Manager

Project Number 26216

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SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 11ATEX4321
Issue 0

13 DESCRIPTION OF EQUIPMENT

Strain gauge load cells that include a permanent cable mounted by the manufacturer with a maximum length of 20 m.

Rated Characteristics

Nominal Voltage Supply	10 V dc
Maximum Voltage Supply	22 V (ac or dc)
Input resistance	800±100Ω
Output resistance	700±Ω
Rated load	15, 20, 25, 30, 40, 60, 100, 200, 300, 400, 500, 600, 800, 900 and 1000 t
Specific parameters	Umax: 25 V

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	02 February 2012	R26216A/00	The release of the prime certificate.

14.3 Certificate number LOM 06ATEX4016 last dated 11 December 2009

15 SPECIAL CONDITIONS FOR SAFE USE

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

Certificate Annexe

Certificate Number: Sira 11ATEX4321
Equipment: Load Cells T34
Applicant: Thames Side Sensors Limited



Issue 0

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
A3/SK/20216	1 of 1	A	12 Dec 11	Labelling T34 Load Cell

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