



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 17ATEX9354** Issue: **0**

4 Equipment: **Sentinel AX DTS**

5 Applicant: **Sensornet Ltd**

6 Address: 340 Centennial Park
Centennial Avenue
Elstree
Hertfordshire, WD6 3TJ
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

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 to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012

EN 60079-28:2015

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



I (M1)
[Ex op is Ma] I

Project Number 70083968


C Ellaby
Deputy Certification Manager

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 17ATEX9354
Issue 0

13 DESCRIPTION OF EQUIPMENT

The Sentinel AX DTS is an alarm system comprising safe area located monitoring equipment producing laser light to an optical fibre network in an M1 mining area. The detection of a change in temperature of any part of the optic fibre is flagged up in the safe area located monitoring equipment.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	20 December 2017	R70083968A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

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

17 CONDITIONS OF MANUFACTURE

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

17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

Certificate Annexe

Certificate Number: Sira 17ATEX9354
Equipment: Sentinel AX DTS
Applicant: Sensornet Ltd



Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
SEN2-AX-001	1 of 1	2.0	13 Nov 17	Sentinel AX Simplified Block diagram
SEN2-AX-002	1 of 1	1.0	13 Nov 17	Sentinel AX DTS System
LB0015	1 of 1	2.0	14 Nov 17	ATEX M1 label

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Sira Certification Service

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