



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 10ATEX1224X** Issue: **6**

4 Equipment: **Types CF, CB, CK, CY & CQ Stopping Plugs**

5 Applicant: **EX Innovations Limited**

6 Address: Jepson Court **Trading as Raxton**
 Tancred Close Kingsway South
 Queensway Westgate
 Royal Leamington Spa Aldridge
 Warwickshire CV31 3RZ West Midlands WS9 8FS
 UK 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 Article 9 of Directive 94/9/EC of 23 March 1994, 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 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007 EN 60079-31:2009

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 special conditions for safe use specified in the schedule to this certificate.

11 This EC 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 M2 (not Type CY Stopping Plugs) Or
Ex d I Mb
Ex e I Mb



II 2 G D
Ex d IIC Gb
Ex e IIC Gb
Ex tb IIIC Db

Project Number 31833

C Ellaby
Deputy Certification Manager

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX1224X
Issue 6

13 DESCRIPTION OF EQUIPMENT

The Types CF, CB, CK, CY & CQ Stopping Plugs are used to fill unused entries in their associated apparatus. The plugs have thread forms between M16 and M120 and are briefly described as follows:

Type CF	Round/hexagon socket/internal mounting
Type CB	Round/hexagon socket/external mounting
Type CK	Hexagon head
Type CQ	'Mushroom' head
Type CY	Hexagon head with hollow body

Material options:

- Brass to BS 2874 CZ121
- Mild Steel to BS 970 EN A1
- Stainless steel to BS 9 316 S11

Entry thread options:

- Metric to BS 3643:1981
- ET Conduit to BS 31:1940
- PG to DIN 40430:1971
- BSPP to BS 2779:1985
- BSPT to BS 21:1985
- NPT to ANSI/ASME B1.20.1-1983

Variation 1 - This variation introduced the following changes:

- The products were assessed against the dust standard EN 60079-31:2009 and the marking at section 12 amended accordingly.

Variation 2 - This variation introduced the following change:

- The recognition that the company name and address has changed from Raxton Ltd, Westgate, Aldridge, West Midlands WS9 8FS to EX Innovations Ltd., Trading as Raxton at Jepson Court, Tancred Close, Queensway, Royal Leamington Spa, Warwickshire CV31 3RZ.
- The introduction of a Condition of Certification.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	22 October 2010	R22194A/00	The release of the prime certificate.
1	28 July 2011	R22195A/00	The introduction of Variation 1
2	15 August 2012	R28683A/00	The Description of Equipment was amended to correct the list of material options.
3	09 November 2012	N/A	Issued to correct a typographical error in the marking
4	15 January 2013	R29745A/00	The introduction of Variation 2.

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Sira 10ATEX1224X
Issue 6

Issue	Date	Report no.	Comment
5	19 July 2013	N/A	Issued to correct the date of EN 60079-31.
6	4 September 2013	R22195A/01	Report no. R22195A/01 replaced R22195A/00 to correct a typographical error.

- 15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)
- 15.1 If a Type CK, CY or CQ stopping plug is machined with an undercut and is used for an Ex d application, then the wall of the enclosure into which it is fitted shall be such as to maintain five full threads engagement.
- 15.2 When used for Increased Safety ('Ex e') applications, a suitable method of sealing to the associated enclosure shall be fitted.
- 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 CERTIFICATION**
- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 17.3 These products shall be marked in accordance with the information as specified in this certificate and related reports.

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Certificate Annexe

Certificate Number: Sira 10ATEX1224X
Equipment: Types CF, CB, CK, CY & CQ Stopping Plugs
Applicant: EX Innovations Limited Trading as Raxton



Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
824 A	1 of 1	-	11 Oct 10	Mushroom head plug & Hexagon head plug
825 A	1 of 1	-	11 Oct 10	RX and T/P Parallel Plugs
826 A	1 of 1	-	11 Oct 10	RX and T/P tapered Plugs

Issue 1

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
824A	1 of 1	1	02 Jun 11	Stopping plugs (CQ, CK & CY)
825A	1 of 1	1	02 Jun 11	Stopping plugs (CB & CF)
826A	1 of 1	1	02 Jun 11	Stopping plugs (CB & CF Tapered)

Issue 2 - (No new drawings were introduced.)

Issue 3 - (No new drawings were introduced.)

Issue 4 -

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
MD - 01	1 of 1	1	14 Jan 13	Raxton Marking Label Drawing

Issue 5 - (No new drawings were introduced.)

Issue 6 - (No new drawings were introduced.)

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