



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 10ATEX1219X** Issue: **1**

4 Equipment: **Type SRX Valve Position Monitor**

5 Applicant: **Imtex Controls Limited**

6 Address: **Unit 4
Tenth Avenue
Deeside Industrial Park
Flintshire CH5 2UA
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 60079-0:2006 IEC 60079-0:2007 (for marking purposes) EN 60079-1:2007
EN 61241-0:2006 IEC 60079-31:2008 Ed 1 (used on the basis of latest technical knowledge)

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:



II 2 G D
Ex d IIB T6 Gb
Ex t IIIC T85°C Db IP6x
(Ta = -40°C to +60°C)

Project Number 70015826

A G Boyes
Certification Support Officer

This certificate and its schedules may only be reproduced in its entirety and without change.



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX1219X
Issue 1

13 DESCRIPTION OF EQUIPMENT

The Type SRX Valve Position Monitor is manufactured from aluminium or stainless steel and consists of a main enclosure base and domed cover, providing a cylindrical flameproof joint.

The base has provision for up to two cable entries which are used with suitably certified cable glands forming threaded, flameproof joints; these allow the equipment to be connected to an external electrical power source. Any unused cable entry is closed off with a suitably certified blanking device. The cover, which may be provided in a tall or short version, is secured to the base by 4 off, stainless steel, M5 x 0.8, socket head cap screws.

A drive shaft creates a flameproof cylindrical joint as it passes through the base wall. This rotates intermittently at less than 1 m/s through a maximum of 180° and operates various internal switch configurations. The drive shaft may be extended to pass through the cover to operate an externally mounted polycarbonate visual position indicator; this creates an additional cylindrical joint.

Product Nomenclature IQ-a-b-c-d-e-f	
a)	Alternative internal switches, as specified on the scheduled drawings
b)	Enclosure material of manufacture
c)	Entry thread types
d)	shaft type
e)	Indicator
f)	Feature designator

Variation 1 - This variation introduced the following changes:

- i. The Applicant's address was changed:

From:
Unit 5a Valley Industries
Hadlow Road, Tonbridge
Kent TN11 0AH
UK

To:
Unit 4, Tenth Avenue
Deeside Industrial Park
Flintshire CH5 2UA
UK

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	21 September 2010	R20689A/00	The release of prime certificate.
1	20 November 2014	R70015826A	The introduction of Variation 1.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

- 15.1 The maximum specified cover to shaft and base to shaft flamepath gaps are 0.13 mm.

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.

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Sira Certification Service

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Issue 1

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 Each and every unit shall be subjected to a routine overpressure test at 13.13 bar, for at least 10 s as required by clause 15.1.3 of IEC 60079-1: 2007, without damage or distortion.

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Certificate Annexe

Certificate Number: Sira 10ATEX1219X
Equipment: Type SRX Valve Position Monitor
Applicant: Imtex Controls Ltd



Issue 0

Drawing	Sheet	Rev	Date (Sira Stamp)	Title
C100160	1	C	07 Sep 10	SRX - Housing – Exd
C100169	1	A	24 Aug 10	SRX - Exd Housing - Tall Unit
C110126	1	A	07 Sep 10	SRX Cover - Certified - AI Version
C110119	1	E	07 Sep 10	SRX Cover - Certified - 316SS Version
C110135	1 of 1	-	08 Sep 10	SRX Cover – Certified – Plain Version
J100324	1	-	24 Aug 10	Gap Analysis - SRX w/2 x Mech Switch – Exd
J100326	1	C	07 Sep 10	SRX Shaft Assembly
J100327	1	B	07 Sep 10	SRX Assembly - Requirements for Exd Monitor
J100328	1	A	24 Aug 10	SRX Free Volume Calculation
J100329	1	-	24 Aug 10	SRX Typical Assembly Gap Analysis - 2 Switch
J100330	1	-	24 Aug 10	SRX - Typical Gap analysis - w/ Transmitter & 2 x Mech Switch – Exd
A170030	1	-	24 Aug 10	O-Ring ID 9.92mm CS 2.62mm – EPDM
A170031	1	-	24 Aug 10	98.5 x 1.5 O-Ring – EPDM
A170032	1	-	24 Aug 10	O-Ring ID 9.8mm CS 1.5mm – EPDM
A100353	1	-	24 Aug 10	External Earthing Clamp
A190214	1	-	24 Aug 10	Type SRX - Exd Master Model Description
A160168	1	D	20 Sep 10	Exd Title Plate - SRX Unit

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
A160168	1 of 1	E	13 Nov 14	Exd Title Plate – SRX Unit

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