



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 10ATEX1219X** Issue: **4**

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 CSA Group Netherlands B.V., notified body number 2813 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 IEC 60079-0:2018 EN 60079-1:2014 EN 60079-31:2014

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:



II 2 G D
Ex db IIB T6 Gb
Ex tb IIIC T85°C Db
(Ta = -40°C to +60°C)
IP6X

Signed: J A May

Title: Director of Operations



Project Number 80110592

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CSA Group Netherlands B.V. Utrechtseweg 310, Building B42, 6812AR, Netherlands



SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

The Type SRX Valve Position Monitor is manufactured from 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. The equipment is identified using one of the two nomenclatures below:

Product Nomenclature SRX-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

Product Nomenclature SRX-b-cc-d-ee-ff-g-h-ii-j-k-l-m-n-o-p-qq	
SRX	Model
b	No. of Primary Function(numeric)
cc	Primary Function
d	No. of Secondary Function
ee	Secondary Function
ff	Non-Standard Switch/Sensor Designator
g	Material
h	Cover Size
ii	Enclosure Coating
j	Conduit Entries Available for Connection
k	Shaft
l	Indicator
m	No. of Extra/Spare Terminals
n	Communication Protocol
o	Regional Certification
p	Hazardous Feature
qq	Special Feature





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Variation 1 - This variation introduced the following change:

- 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

Variation 2 - This variation introduced the following changes:

- i. Assessment to demonstrate compliance with the latest technical knowledge, the standards EN 60079-0:2006, EN 60079-1:2007 and EN 60079-31:2009 were replaced by EN IEC 60079-0:2018, EN 60079-1:2014, and EN 60079-31:2014 respectively; the markings were updated to recognise the requirements of the latest standards.
- ii. Update to part number system.
- iii. Recognition of drawing modifications to meet requirements of applicable standards and to update labels with the introduction of the UKCA mark.
- iv. Removal of aluminium and addition of 316L stainless steel as housing material option.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated CSA Group 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.
2	15 October 2019	1761	<ul style="list-style-type: none">Transfer of certificate Sira 10ATEX1219X from Sira Certification Service to CSA Group Netherlands B.V.EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i>
3	15 March 2022	R80110593A	The introduction of Variation 2
4	31 March 2022	R80110593B	Introduced to allow the product nomenclature to be corrected.



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- 15 **SPECIFIC CONDITIONS OF USE** (denoted by X after the certificate number)
- 15.1 The maximum specified cover to shaft and base to shaft flamepath gaps are 0.13mm.
- 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 CSA Group Netherlands B.V. 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.
- 17.3 Each and every unit shall be subjected to a routine overpressure test at 13.13 bar, for at least 10s as required by clause 15.2.3 of EN 60079-1:2014 without damage or distortion.

Certificate Annexe



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

Issue 0

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

Issue 2. No new drawings were introduced.

Issue 3

Drawing	Sheets	Rev.	Date (Stamp)	Title
A160168	1 of 1	F	25 Jan 22	Exd Title Plate – SRX Unit
A190214U	1 to 2	-	03 Mar 22	SRX Exd - Master Model Description
C100160	1 of 1	D	25 Jan 22	SRX - Housing - Exd
C100169	2 of 2	B	25 Jan 22	SRX – SS – M20 – Housing – Exd - Tall
C110119	2 of 2	F	25 Jan 22	SS Cover
C110135	2 of 2	A	25 Jan 22	SS Cover - Flat

Issue 4. No new drawings were introduced

