



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 09ATEX2162X** Issue: **5**

4 Equipment: **SRX and SRA - 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 60079-11:2012

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 2G
Ex ia IIC T4/T5/T6 Gb

Note: the temperature class and ambient temperature range depends on the construction of the devices, see conditions or manufacturer.



Signed: Michelle Halliwell

Title: Director of Operations

Project Number 80110586

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SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

The SRX and SRA - Valve Position Monitor are intended to be fitted to a valve. The device uses a metallic enclosure, either stainless steel or aluminium, with either a short or tall cover. This enclosure is fitted with a mechanical shaft that has components fitted to operate various combinations of voltage free switches, certified sensors or transmitters (drawing A190424), intended to provide electrical indication of the position of the valve. It also contains a terminal block for field wiring termination.

An indicator mounted on top of the enclosure can also be driven by the shaft and provides visual indication of the shaft position, which correlates with the valve position.

Variation 1 - This variation introduced the following change:

- i. To permit the introduction of additional arrangements for the sensors and transmitters:

Variation 2 - This variation introduced the following changes:

- i. The existing aluminium housing (C100042) and covers (C110122 & C110123) were removed.
- ii. New housings (C100181 to C100186) and cover were added.

Variation 3 - 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

Variation 4 - This variation introduced the following changes:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2006 and EN 60079-11:2007 were replaced by EN IEC 60079-0:2018 and EN 60079-11:2012.
- ii. Introduction of new parts list with internal ambient adjustments.
- iii. Updated specification of enclosure materials.
- iv. Terminal colour.
- v. Updated product description to 'SRX and SRA – Valve Position Monitor'

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

| Issue | Date | Report number | Comment |
|-------|-------------------|---------------|---------------------------------------|
| 0 | 07 July 2009 | R52L19844A | The release of the prime certificate. |
| 1 | 18 January 2010 | R21208A/00 | The introduction of Variation 1. |
| 2 | 28 September 2012 | R28667A/00 | The introduction of Variation 2. |
| 3 | 20 November 2014 | R70015826A | The introduction of Variation 3. |

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| Issue | Date | Report number | Comment |
|-------|-----------------|---------------|--|
| 4 | 15 October 2019 | 1759 | <ul style="list-style-type: none">Transfer of certificate Sira 09ATEX2162X 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. (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.) |
| 5 | 20 June 2022 | R80090032A | The introduction of Variation 4. |

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

- 15.1 The user/installer shall ensure that versions of these Valve Monitors that use an enclosure that incorporates light metals are installed in a manner that minimises the risk of impact or friction with other metal surfaces.
- 15.2 Parts of these Valve Monitors are made of plastic. By virtue of its shape, design and position of use, it is assessed that this device is not considered to be an electrostatic risk; however, it shall not be installed in a position where it may be subjected to an excessive air/fluid flow or be subjected to rubbing that may cause an electrostatic build-up, it shall also be cleaned with a damp cloth.
- 15.3 The user/installer shall install these Valve Monitors taking into account any restrictions or special conditions for safe use that are applicable to the previously certified devices that are fitted in the devices.

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 The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform CSA of any modifications of the devices that may impinge upon the explosion safety design of their products.

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- 17.4 The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for safe use associated with these Valve Monitors, in addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified device that is fitted in the device.
- 17.5 Temperature class and ambient temperature range depends on the construction of the devices refer to drawing A190424.

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Certificate Annexe



Certificate Number: Sira 09ATEX2162X
 Equipment: SRX and SRA- Valve Position Monitor
 Applicant: Imtex Controls Limited

Issue 0

| Drawing No. | Sheets | Rev. | Date (Sira stamp) | Title |
|-------------------|--------|------|-------------------|--|
| A190193 | 1 of 1 | - | 25 Jun 09 | Type SRX-IS- ATEX Master Model description |
| A160156 | 1 of 1 | C | 25 Jun 09 | Title Label – SRX Intrinsically Safe |
| A160155 | 1 of 1 | A | 25 Jun 09 | SRX Monitor Safety Label |
| A190194 | 1 of 1 | B | 25 Jun 09 | Wiring Diagrams – SRX IS Units |
| A110009 | 1 of 1 | A | 25 Jun 09 | MK3-6 Terminal Block |
| J100315 | 1 of 1 | A | 25 Jun 09 | SRX Housing – General Layout |
| J100316 | 1 of 1 | A | 25 Jun 09 | SRX Cover |
| SRX17S5LR-Z00-BOM | 1 of 1 | - | 25 Jun 09 | SRX w/2 x GP Mech Switch |
| SRX17S5LR-Z00-ASS | 1 of 1 | - | 25 Jun 09 | SRX17 Assembly |
| SRX70S5LR-J00-BOM | 1 of 1 | - | 25 Jun 09 | SRX17 w/PR Trans |
| SRX70S5LR-J00-ASS | 1 of 1 | - | 25 Jun 09 | SRX17 Assembly |
| A160149 | 1 of 1 | A | 25 Jun 09 | Z or S Label |
| A160150 | 1 of 1 | A | 25 Jun 09 | Y or R Label |
| A160151 | 1 of 1 | C | 25 Jun 09 | W Label |
| A160152 | 1 of 1 | C | 25 Jun 09 | V Label |
| A160153 | 1 of 1 | A | 25 Jun 09 | U Label |
| A160154 | 1 of 1 | B | 25 Jun 09 | T or M Label |
| A160162 | 1 of 1 | A | 25 Jun 09 | J Label |

Issue 1

| Drawing No. | Sheets | Rev. | Date (Sira stamp) | Title |
|-------------|--------|------|-------------------|--|
| A190193 | 1 of 1 | B | 07 Jan 10 | Type SRX-IS- ATEX Master Model description |
| A190194 | 1 of 1 | C | 07 Jan 10 | Wiring Diagrams – SRX IS Units |
| A160172 | 1 of 1 | - | 07 Jan 10 | G Label |
| A160171 | 1 of 1 | - | 07 Jan 10 | H Label |

Issue 2

| Drawing no. | Sheets | Rev. | Date (Sira stamp) | Title |
|-------------|--------|------|-------------------|---|
| J100315 | 1 of 1 | B | 27 Sep 12 | SRX Housing – General Layout StSt Version |
| J100316 | 1 of 1 | B | 27 Sep 12 | SRX Cover – Overview StSt Version |
| J100414 | 1 of 1 | - | 27 Sep 12 | SRX Housing – AI – Overview |
| J100415 | 1 of 1 | - | 27 Sep 12 | SRX Cover – AI General Layout |

Issue 3

| Drawing | Sheets | Rev. | Date (Sira stamp) | Title |
|---------|--------|------|-------------------|--------------------------------------|
| A160156 | 1 of 1 | E | 19 Nov 14 | Title Label – SRX Intrinsically Safe |

Issue 4. No new drawings were introduced.

Issue 5

| Drawing | Sheets | Rev. | Date (Stamp) | Title |
|----------|---------|-------|--------------|--|
| A190193U | 1 to 2 | First | 17-May-22 | Master control document (SRA-SRX-Exi-MMD-New) |
| A190193 | 1 of 1 | C | 17-May-22 | Type SRA/SRX - I. S. – Master Model Description (Original) |
| A190424 | 1 to 24 | F | 10 Jun-22 | Characteristics for Additional Electrical Equipment integrated Into Imtex Valve Position Monitor Enclosure - Intrinsically Safe Reference Document |

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Certificate Number: Sira 09ATEX2162X
 Equipment: SRX and SRA- Valve Position Monitor
 Applicant: Imtex Controls Limited

| Drawing | Sheets | Rev. | Date (Stamp) | Title |
|---------|--------|------|--------------|---|
| A160156 | 1 of 1 | G | 10 Jun-22 | Title Label - SRA/X Intrinsically Safe |
| J100414 | 1 of 1 | A | 11-May-22 | SRX Housing – AI – Overview |
| J100415 | 1 of 1 | A | 02-Nov-21 | SRX Cover - AI - General Layout |
| J100316 | 1 of 1 | C | 11-May-22 | SRX Tall Cover |
| J100315 | 1 of 1 | C | 20 Jun 22 | SRX Housing – General Layout |
| A110009 | 1 of 1 | B | 17-May-22 | MK3-6 Terminal Block |
| J100481 | 1 of 1 | - | 26-May-22 | Overview for Typical SRX Assembly - Exi (Replaces SRX17S5LR-Z00- ASS) |
| J100482 | 1 of 1 | - | 26-May-22 | Overview for Typical SRX Assembly (Tall) - Exi (Replaces SRX70S5LR-J00-ASS) |

| Removed at this variation | | | | |
|---------------------------|--------|---|-----------|--|
| A160155 | 1 of 1 | A | 25-Jun-09 | SRX Monitor Safety Label |
| A160150 | 1 of 1 | A | 25-Jun-09 | Y or R Label |
| A160151 | 1 of 1 | C | 25-Jun-09 | W Label |
| A160152 | 1 of 1 | C | 25-Jun-09 | V Label |
| A160153 | 1 of 1 | A | 25-Jun-09 | U Label |
| A190194 | 1 of 1 | C | 07-Jan-10 | Wiring Diagrams – SRX IS Units |
| J100315 | 1 of 1 | B | 27-Sep-12 | SRX Housing – General Layout StSt Version |
| J100316 | 1 of 1 | B | 27-Sep-12 | SRX Cover – Overview StSt Version |

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