



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX SIR 10.0106X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2022-03-15)
Date of Issue:	2022-03-31		Issue 1 (2014-11-25)
Applicant:	Imtex Controls Limited Unit 4 Tenth Avenue Deeside Industrial Park Flintshire CH5 2UA United Kingdom		Issue 0 (2010-09-28)
Equipment:	Type SRX Valve Position Monitor		
Optional accessory:			
Type of Protection:	Flameproof and Dust		
Marking:	Ex db IIB T6 Gb Ex tb III C T85°C Db (Ta = -40°C to +60°C)		

Approved for issue on behalf of the IECEx
Certification Body:

Michelle Halliwell

Position:

Director Operations, UK & Industrial Europe

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 10.0106X**

Page 2 of 4

Date of issue: 2022-03-31

Issue No: 3

Manufacturer: **Imtex Controls Limited**
Unit 4
Tenth Avenue
Deeside Industrial Park
Flintshire CH5 2UA
United Kingdom

Manufacturing locations: **Imtex Controls Limited**
Unit 4
Tenth Avenue
Deeside Industrial Park
Flintshire CH5 2UA
United Kingdom

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/CSAE/ExTR22.0038/00](#)
[GB/SIR/ExTR22.0024/00](#)

[GB/SIR/ExTR10.0218/00](#)

[GB/SIR/ExTR14.0285/00](#)

Quality Assessment Report:

[GB/SIR/QAR09.0002/10](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 10.0106X**

Page 3 of 4

Date of issue: 2022-03-31

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

Refer to the Annexe for the nomenclature and model codes

SPECIFIC CONDITIONS OF USE: YES as shown below:

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



IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 10.0106X**

Page 4 of 4

Date of issue: 2022-03-31

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This issue, Issue 3, recognises the following change; refer to the certificate annex to view a comprehensive history:

1. Issued to allow the product nomenclature to be corrected

Annex:

[IECEX SIR 10.0106X Annexe Issue 3.pdf](#)

Annexe to: IECEx SIR 10.0106X Issue 3

Applicant: Imtex Control Limited

Apparatus: Type SRX Valve Position Monitor



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

Conditions of Manufacture

1. 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 IEC 60079-1:2014 without damage or distortion.

Full certificate change history

Issue 1 – this Issue introduced the following change:

1. The Applicant's address was changed:

From:	To:
Unit 5a Valley Industries	Unit 4,
Hadlow Road	Tenth Avenue
Tonbridge	Deeside Industrial Park
Kent TN11 0AH	Flintshire CH5 2UA
UK	UK

Annexe to: IECEx SIR 10.0106X Issue 3

Applicant: Imtex Control Limited

Apparatus: Type SRX Valve Position Monitor



Issue 2 – this Issue introduced the following changes:

1. Assessment to demonstrate compliance with the latest technical knowledge, the standards IEC 60079-0:2007, IEC 60079-1:2007 and IEC 60079-31:2008 were replaced by IEC 60079-0:2017 + COR1:2020, IEC 60079-1:2014 and IEC 60079-31:2013 respectively; the markings were updated to recognise the requirements of the latest standards.
2. Update to part number system.
3. Recognition of drawing modifications to meet requirements of applicable standards and to update labels with the introduction of the UKCA mark.
4. Removal of aluminium and addition of 316L stainless steel as housing material option.

Issue 3. this Issue introduced the following change:

1. Issued to allow the product nomenclature to be corrected