



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: **IECEX SIR 10.0106X** issue No.:1

Status: **Current**

Date of Issue: **2014-11-25** Page 1 of 5

Certificate history:
Issue No. 1 (2014-11-25)
Issue No. 0 (2010-9-28)

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

Electrical Apparatus: **Type SRX Valve Position Monitor**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIB T6 Gb**
Ex t IIIC T85°C Db IP6x
(Ta = -40°C to +60°C)

Approved for issue on behalf of the IECEx Certification Body: **A G Boyes**

Position: **Certification Support Officer**

Signature:
(for printed version)

Date:

2014-11-25

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira
CERTIFICATION





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

Additional Manufacturing location
(s):

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 electrical apparatus 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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1

*This Certificate **does not** indicate compliance with electrical 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 Report:

GB/SIR/ExTR10.0218/00

GB/SIR/ExTR14.0285/00

Quality Assessment Report:

GB/SIR/QAR09.0002/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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.

CONDITIONS OF CERTIFICATION: YES as shown below:

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



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EQUIPMENT(continued):

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

Conditions of Manufacture

The Manufacturer shall comply with the following condition of manufacture:

1. 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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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following changes:		
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