



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 15ATEX2191X** Issue: **0**

4 Equipment: **Valve Position Monitor, Type SLR**

5 Applicant: **Imtex Controls Ltd**

6 Address: **Unit 4 Deeside Point  
10th Avenue Zone 3  
Deeside Industrial Park  
Flintshire, CH5 2UA**

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 60079-0:2012/A11:2013 EN 60079-11:2012

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 GD

Ex ia IIC T\* Gb

Ex ia IIIC T\*°C Db

Ta = -\*°C to +\*°C

\* The temperature class, maximum surface temperatures for dust and ambient temperature range that is appropriate depends on devices used in the construction of the SLR Valve Position Monitor, refer to Condition of Manufacture.

Project Number 70020796

C Ellaby  
Deputy Certification Manager

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

Sira Certification Service  
Unit 6, Hawarden Industrial Park,  
Hawarden, CH5 3US, United Kingdom



## SCHEDULE

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Issue 0

#### 13 DESCRIPTION OF EQUIPMENT

The Type SLR Valve position monitor consists of a plastic enclosure made up of a body and a lid. The lid is transparent, permitting visual indication of the valve position. There are threaded entries to allow the installation of up to two cable glands. Two rotating cams activate internal devices. These are either a single transmitter or up to two switch devices that sense the status of the valve position. An intrinsically safe, infallibly separated source supplies each device.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	02 October 2015	R70020796A	The release of the prime certificate.

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

15.1 Under certain extreme circumstances, exposed plastic and unearthed metal parts of the enclosure may store an ignition-capable level of electrostatic charge. Therefore, the user/installer shall implement precautions to prevent the build-up of electrostatic charge, e.g. locate the equipment where a charge-generating mechanism (such as wind-blown dust) is unlikely to be present and clean with a damp cloth.

15.2 For installation purposes, each switch or sensor shall be considered as a separate intrinsically safe circuit.

15.3 The user/installer shall install the SLR Valve Position Monitor taking into account any restrictions or special conditions for safe use that are applicable to the previously certified devices that are that are used in the construction of the Monitor, as defined in the manufacturer's instructions.

#### 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 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 The Valve Position Monitor, Type SLR incorporates previously-certified devices. It is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices. The manufacturer shall inform Sira of any modifications to the devices that may impinge upon the explosion safety design of the Valve Position Monitor, Type SLR.

17.4 The SLR Valve Position Monitor shall only be fitted with devices that that are listed on drawing A190325 Rev F. A maximum of two, identical devices can be fitted, these are either simple switches or equipment-certified sensors.

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## Sira Certification Service

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## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

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Issue 0

- 17.5 The manufacturer shall mark each SLR Valve Position Monitor with the temperature class, maximum surface temperature for dust, ambient temperature range and entity parameters that are applicable to the devices that are used in its construction.
- 17.6 The instructions provided by the manufacturer shall contain all the information that appears on drawing A190325 Rev F; this information shall remain consistent in subsequent issues of the instructions and shall not be changed unless the amendment has been approved by CSA Sira. The manufacturer shall also identify the specific devices that are used in the construction of each SLR Valve Position Monitor.

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# Certificate Annexe



Certificate Number: Sira 15ATEX2191X  
Equipment: Valve Position Monitor, Type SLR  
Applicant: Imtex Controls Ltd

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## Issue 0

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Description
A110009	1 of 1	A	22 Sep 15	MK3-6 Terminal Block – Blue (Weidmuller)
A140026	1 of 1	-	22 Sep 15	V3 Mechanical Switch - Gold Plated
A140077-IS	1 of 1	-	23 Sep 15	Reed Switch Drawing - I.S. Compliance
A160155-SLR	1 of 1	A	22 Sep 15	Important Note Label Monitor - Intrinsically Safe
A160215	1 to 2	B	22 Sep 15	SLR Label - Exia Version
A160216	1 of 1	A	22 Sep 15	SLR - Exia Information
A190322	1 of 1	B	22 Sep 15	Type SLR - I. S. Master Model Description
J100440	1 of 1	B	22 Sep 15	Certified SLR – GA
A190325	1 to 18	F	22 Sep 15	Characteristics for Electrical Equipment integrated Into SLR Enclosure – Intrinsically Safe Reference Document
SLR4205SR-200-ASS	1 of 1	-	22 Sep 15	Example SLR Assembly w/ 2 x NJ2-V3-N Sensor

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