



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 10ATEX2060X** Issue: **4**

4 Equipment: **AQ - 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 Equipment Description.



Signed: Michelle Halliwell

Title: Director of Operations

Project Number 80110591

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## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

Sira 10ATEX2060X  
Issue 4

#### 13 DESCRIPTION OF EQUIPMENT

The AQ - Valve Position Monitor has a metallic housing with a mechanical shaft fitted with cams and an indicator that is usually fitted to a valve. Contained within the main enclosure is a terminal board and various combinations of voltage-free switches, certified sensors or transmitters (drawing A190424) that are activated by the cams. The indicator that is on underside of the enclosure provides visual indication of the shaft position, which correlates with the valve position. The enclosure may be manufactured from either stainless steel or aluminium and fitted with a standard cover.

**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. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2009 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. Terminal colour

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	24 March 2010	R21284A/00	The release of the prime certificate.
1	20 November 2014	R70015826A	The introduction of Variation 1.
2	15 October 2019	1762	This Issue covers the following changes: <ul style="list-style-type: none"><li>• Transfer of certificate Sira 10ATEX2060X from Sira Certification Service to CSA Group Netherlands B.V.</li><li>• 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.)</li></ul>

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**SCHEDULE**

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Issue 4

Issue	Date	Report number	Comment
3	25 October 2022	R80110591A	The introduction of Variation 2.
4	23 February 2023	R80110591A/01	Report R80110591A/01 replaces R80110591A.

**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.
- 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 The AQ Valve Position Monitor shall only be fitted with devices that that are listed on drawing A190424 Rev G. A maximum of six, identical devices can be fitted, these are either simple switches or equipment-certified sensors.
- 17.6 The instructions provided by the manufacturer shall contain certification information that appears on drawing A190424 Rev G; this information shall remain consistent in subsequent issues of the instructions and shall not be changed unless the amendment has been approved by CSA. The manufacturer shall also identify the specific devices that are used in the construction of each AQ Valve Position Monitor.

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# Certificate Annexe



Certificate Number: Sira 10ATEX2060X  
 Equipment: AQ - Valve Position Monitor  
 Applicant: Imtex Controls Limited

## Issue 0

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
A190228	1 of 1	-	26 Feb 10	Type AQ-IS-ATEX Master Model Description
AQ17S5SR-ZOO	1 of 2	A	26 Feb 10	AQ Monitor w/2 x V3 GP Mech – ATEX
AQ17S5SR-ZOO	2 of 2	A	26 Feb 10	AQ Monitor w/2 x V3 GP Mech – ATEX
AQ70S5SR-GPP	1 of 1	-	26 Feb 10	Type AQ with Non-Contact Trans & 4 x Mech
J100367	1 of 1	-	26 Feb 10	Type AQ Basic Arrangement
A190241	1 of 1	-	26 Feb 10	Type AQ Wiring diagram
A160175	1 of 1	A	26 Feb 10	Type AQ Title Plate ATEX Unit
A160155	1 of 1	A	26 Feb 10	Monitor Safety Label
A110009	1 of 1	A	26 Feb 10	MK3-6 Terminal Block
A160149A	1 of 1	-	26 Feb 10	Z Label
A160150A	1 of 1	-	26 Feb 10	Y Label
A160151A	1 of 1	-	26 Feb 10	W Label
A160152A	1 of 1	-	26 Feb 10	V Label
A160153A	1 of 1	-	26 Feb 10	U Label
A160154A	1 of 1	-	26 Feb 10	T Label
A160162A	1 of 1	-	26 Feb 10	J Label
A160171A	1 of 1	-	26 Feb 10	H Label
A160174	1 of 1	-	26 Feb 10	G Label
A160177	1 of 1	-	26 Feb 10	F Label
A160178	1 of 1	-	26 Feb 10	E Label

## Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
A160175	1 of 1	C	20 Nov 14	Title Plate ATEX Unit

Issue 2 - No new drawings were introduced.

## Issue 3

Drawing	Sheets	Rev.	Date (Stamp)	Title
A190424	1 of 24	F	10 Jun 22	Characteristics for Additional Electrical Equipment integrated Into Imtex Valve Position Monitor Enclosure - Intrinsically Safe Reference Document
A110009	1 of 1	B	09 Jun 22	MK3-6 Terminal Block
AQ17300000-xxxxxx-0-WGCA	1 of 1	A	01 Sep 22	AQ w/ 10k Pot & Additional Terminals - Generic CA Setup - ATEX
A160175	1 of 1	E	5 Sep 22	Title Plate ATEX/UKCA Unit
A190228U	1 of 2	First issue	5 Sep 22	Type AQ-IS-ATEX Master Model Description

Removed at this variation				
Drawing	Sheets	Rev.	Date (Stamp)	Title
A190241	1 of 1	-	26 Feb 10	Type AQ Wiring diagram
A160149A	1 of 1	-	26 Feb 10	Z Label
A160150A	1 of 1	-	26 Feb 10	Y Label
A160151A	1 of 1	-	26 Feb 10	W Label
A160152A	1 of 1	-	26 Feb 10	V Label
A160153A	1 of 1	-	26 Feb 10	U Label
A160154A	1 of 1	-	26 Feb 10	T Label
A160162A	1 of 1	-	26 Feb 10	J Label
A160171A	1 of 1	-	26 Feb 10	H Label
A160174	1 of 1	-	26 Feb 10	G Label
A160177	1 of 1	-	26 Feb 10	F Label
A160178	1 of 1	-	26 Feb 10	E Label

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# Certificate Annexe



Certificate Number: Sira 10ATEX2060X  
Equipment: AQ - Valve Position Monitor  
Applicant: Imtex Controls Limited

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## Issue 4

Drawing No.	Sheets	Rev.	Date (Stamp)	Title
A160175	1 of 1	F	23 Jan 23	Title Plate ATEX/UKCA (IECEx) Unit
A190424	1 to25	G	20 Jan 23	Characteristics for Additional Electrical Equipment integrated Into Imtex Valve Position Monitor Enclosure - Intrinsically Safe Reference Document

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