



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 15ATEX1295X** Issue: **1**

4 Equipment: **The Electro-Pneumatic Controller Model ER5050**

5 Applicant: **Tescom**

6 Address: **12616 Industrial Boulevard  
Elk River  
Minnesota 55330  
USA**

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 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 60079-0:2012/A11:2013      EN 60079-1:2014      EN 60079-31:2014

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 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 2GD  
Ex db IIB+H2 T5 Gb  
Ex tb IIIC T100°C Db IP6X  
Tamb: -20°C ≤ Ta ≤ +60°C

Project Number 70136294A

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

C Ellaby  
Deputy Certification Manager

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

Tel: +44 (0) 1244 670900  
Fax: +44 (0) 1244 681330  
Email: [ukinfo@csagroup.org](mailto:ukinfo@csagroup.org)  
Web: [www.csagroupuk.org](http://www.csagroupuk.org)



## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

Sira 15ATEX1295X  
Issue 1

#### 13 DESCRIPTION OF EQUIPMENT

The Electro-Pneumatic Controller Model ER5050 is a cylindrical enclosure with a square base comprised of either stainless steel or aluminium material. The cylindrical portion of the enclosure is a threaded cover that threads onto the base and houses the electronics. The base houses a total seven sintered elements (six cup shaped arresters and one plug shaped arrester) secured by means of snap rings, along with three, 1/8"- 27 NPT plugs threaded into the base.

The base houses the pneumatic portion enclosure.

**Variation 1** - This variation introduced the following change:

- i. The recognition of minor drawing modifications; these amendments are administrative or involve changes to the design that do not affect the aspects of the product that are relevant to explosion safety.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

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

Issue	Date	Report number	Comment
0	21 October 2015	R70013321A	The release of the prime certificate.
1	11 October 2017	R70136294A	This Issue covers the following changes: <ul style="list-style-type: none"><li>• EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(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.)</i></li><li>• The Introduction of Variation 1</li></ul>

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

- 15.1 The user/installer shall not remove any of the three, 1/8"-27 NPT plugs that are fitted into the base of the enclosure as this will invalidate the Hazardous Location Certification.

#### 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.



## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

Sira 15ATEX1295X  
Issue 1

#### 17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira 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 Each process containment system shall be subjected to the Routine Overpressure Test of 11.4 bar (165 psi) for at least 1 minute as required by clauses 16.1.2 and clause G.4.1 of EN 60079-1:2014. There shall be no permanent deformation or damage to the enclosure and it shall hold pressure for 1 minute.
- 17.4 It is the responsibility of the manufacturer to continually monitor the status of the components associated with this equipment, and the manufacturer shall inform CSA Sira of any modifications of the equipment that may impinge upon the flame proof design of the product.