



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 15ATEX1295X** Issue: **0**

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 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 60079-1:2014 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 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 2GD
Ex db IIB+H2 T5 Gb
Ex tb IIIC T100°C Db IP6X
Tamb: -20°C ≤ Ta ≤ +60°C

Project Number 70013321

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

EC TYPE-EXAMINATION CERTIFICATE

Sira 15ATEX1295X
Issue 0

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.

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.

15 SPECIAL CONDITIONS FOR SAFE 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.

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 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.