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UNITED KINGDOM CONFORMITY ASSESSMENT

UK-TYPE EXAMINATION CERTIFICATE



2 **Equipment or Protective systems intended for use in Potentially Explosive Atmospheres – UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 **UK-Type Examination Certificate No: FM21UKEX0092X**

4 **Equipment or protective system: Type 595XP I/P Transducer
(Type Reference and Name)**

5 **Name of Applicant: Controlair LLC**

6 **Address of Applicant: 8 Columbia Dr
Amherst
NH 03031
United States**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8 FM Approvals Ltd, Approved Body number 1725, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.
The examination and test results are recorded in confidential report number:

3031829EC PR460291 dated 2nd August 2022

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014
and EN 60529:1991+A1:2000+A2:2013

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

11 This UK-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance with the Regulations. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include:



II 2 G Ex db IIB+H2 T6 Gb Ta = -40°C to +75°C

II 2 D Ex tb IIIC T85°C Db Ta = -40°C to +75°C



Digitally signed by Victor Aluko-Oginni
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Foxit PhantomPDF Version: 10.1.5

**Victor Aluko-Oginni
Certification Manager, FM Approvals Ltd.**

Issue date: 6th September 2022

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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F UKEX 020 (Jan/21)



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SCHEDULE

to UK-Type Examination Certificate No. FM21UKEX0092X

13 Description of Equipment or Protective System:

The Type 595XP is an electro-mechanical current to pressure transducer. The unit operates on a 40 Vdc, 4 mA to 20 mA current loop. The ambient operating temperature range of the Type 595XP is -40°C to +75°C and has an Ingress Protection rating of IP65.

The housing is constructed of epoxy-painted A380/A383 Aluminum Alloy and is available with a threaded blank cover. The enclosure contains one M20 x 1.5 or ½-inch NPT wiring entry. The housing is provided with internal grounding connection, a cover O-ring for environmental protection and flame arrestors which are press-fitted into the base of the housing.

Type 595XP-Aabc. I/P Transducer.

a = Output pressure C, D, or E.

b = Connection M, N or P.

c = Options K, K2 or R.

14 Specific Conditions of Use:

1. The user shall permanently mark the protection type chosen. Once the type of protection has been marked it shall not be changed.
2. The flameproof joints of the equipment are not intended to be repaired. Consult the manufacturer if repair of the flameproof joints is necessary.
3. Refer to the manufacturer's instructions to reduce the potential of an electrostatic charging hazard due to impact or friction on the equipment enclosure.

15 Essential Health and Safety Requirements:

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the confidential report identified in item 8.

16 Test and Assessment Procedure and Conditions:

This UK-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim for UKCA Marking, FM Approvals Ltd accepts no responsibility for the compliance of the equipment against all applicable Regulations in all applications.

This Certificate has been issued in accordance with FM Approvals Ltd's UKCA Certification Scheme.

17 Schedule Drawings

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by the Approved Body.

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SCHEDULE

to UK-Type Examination Certificate No. FM21UKEX0092X

18 Certificate History

Details of the supplements to this certificate are described below:

Date	Description
6 th September 2022	Original Issue.



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