



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx CML 22.0033X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2022-08-30		
Applicant:	Ashcroft Inc 250 East Main Street Stratford Connecticut 06614 USA United States of America		
Equipment:	ZX12 Pressure transmitter		
Optional accessory:			
Type of Protection:	Increased Safety Ex "ec"		
Marking:	Ex ec IIC T4/T5/T6 Gc -20°C ≤ Ta ≤ +70/70/30°C		

Approved for issue on behalf of the IECEx
Certification Body:

L A Brisk

Position:

Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





IECEx Certificate of Conformity

Certificate No.: **IECEx CML 22.0033X**

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Date of issue: 2022-08-30

Issue No: 0

Manufacturer: **Ashcroft Inc**
250 East Main Street
Stratford
Connecticut 06614
USA
United States of America

Manufacturing
locations: **Ashcroft Inc**
250 East Main Street
Stratford
Connecticut 06614
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This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/CML/ExTR21.0221/00](#)

Quality Assessment Report:

[GB/SIR/QAR11.0010/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The ZX12-E, F, G, H, P, Q, T or U are pressure sensors for gas supply systems and equipment for semiconductor manufacturing.

See Annex for full description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Certificate Annex for list of Specific Conditions of Use.

Annex:

[Certificate Annex IECEx CML 22.0033X Iss 0.pdf](#)

Annexe to: IECEx CML 22.0033X Issue 0
Applicant: Ashcroft Inc.
Apparatus: ZX12 Pressure Transmitter

Description

The ZX12-E, F, G, H, P, Q, T or U are pressure sensors for gas supply systems and equipment for semiconductor manufacturing. Strain gauge and subsequent electronics are used to convert the physical pressure into an electrical signal.

The sensors are constructed of a stainless-steel case, with a PBT cover, a PTFE vent filter, NBR O-ring, Chloroprene gasket and a polyamide connector. The sensors also utilise silicone adhesives and epoxy resins.

The Apparatus is intended for use within another enclosure with minimum dimensions of 100 mm(H) x 30 mm (W) x 30mm (D).

The suffixes are defined in the table below:

ZX12-



	Fitting type	Pressure type
E	Type T (Standard)	Gauge Pressure
F	Type S (Standard)	
G	Type T (Other)	
H	Type S (Other)	
P	Type T (Standard)	Absolute Pressure
Q	Type S (Standard)	
T	Type T (Other)	
U	Type S (Other)	

Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.



- ii. Each unit to be subjected to a 500V dielectric strength test for at least 10 seconds, in accordance with IEC 60079-7, clause 7.1. Alternative testing from clause 6.1 as also acceptable.

Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. The apparatus has to be housed in an enclosure with the minimum dimensions of 100mm (H) × 30mm (W) × 30mm (D), that provides protection from UV and impact and meets the enclosure requirements of IEC/EN 60079-0.
- ii. The connector shall not be separated whilst energised.

Components covered by Ex Certificates issued to older editions of Standards

None