



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

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|---------------------|-----------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------|
| Certificate No.: | IECEx ETL 19.0009X | Page 1 of 4 | <u>Certificate history:</u> |
| Status: | Current | Issue No: 3 | Issue 2 (2020-05-27) |
| Date of Issue: | 2021-02-25 | | Issue 1 (2019-11-13) |
| Applicant: | Entegris, Inc. 129 Concord Road, Building 2 Billerica, MA 01821 United States of America | | Issue 0 (2019-06-20) |
| Equipment: | Pressure Transducers (Models: 4100, 4210) | | |
| Optional accessory: | | | |
| Type of Protection: | Intrinsic Safety 'ic' | | |
| Marking: | Ex ic IIC T5 Gc $+10^{\circ}\text{C} \leq T_{\text{amb}} \leq +65^{\circ}\text{C}$ IECEx ETL 19.0009X | | |

Approved for issue on behalf of the IECEx
Certification Body:

Kevin J. Wolf

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:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek



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Manufacturer: **Entegris, Inc.**
129 Concord Road, Building 2, Billerica, MA 01821
United States of America

Manufacturing
locations:

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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 Reports:

[US/ETL/ExTR19.0009/00](#)

[US/ETL/ExTR19.0009/01](#)

[US/ETL/ExTR19.0009/02](#)

Quality Assessment Report:

[US/ETL/QAR19.0003/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The product covered by this report is a family of Pressure Transducers. These pressure transducers are designed for use in high-purity application in the semiconductor industry. These products feature no moving parts and no filled cavities, which reduces the possibility of a contaminated process.

There are two models of pressure transducers, 4100 and 4210.

Pressure transducers for 0-5VDC output, for 0-10VDC output, and for 4-20mA output have the same electronics respectively according to their outputs.

Model 4100, Single-port - Variants (0-5VDC or 0-10VDC output)

Model 4210, Flow-through - Variants (0-5VDC or 0-10VDC output)

Model 4100, Single-port (4-20mA output)

Model 4210, Flow-through (4-20mA output)

SPECIFIC CONDITIONS OF USE: YES as shown below:

External non-metallic materials pose a potential electrostatic charging hazard. Refer to the manufacturer's instruction manual for details on the mitigation of electrostatic charging.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Marking labels contained in the Controlled drawing 01-1027289 were updated. Change was to update the KC (Korean) certification from 19-KA2BO-0549X to 19-KA4BO-0549X and from 19-KA2BO-0550X to 19-KA4BO-0550X.

Annex:

[Annex for COC IECEx ETL 19.0009X Issue 03.pdf](#)



Annex to IECEx Certificate of Conformity

| | | |
|-----------------|--------------------|-------------|
| Certificate No: | IECEX ETL 19.0009X | Issue No. 3 |
| Annex No. 1 | | |

| Technical Documents | | | |
|-------------------------------------------------------------------------------|------------------|-------------|----------|
| Title: | Drawing No.: | Rev. Level: | Date: |
| DWG, SCHEDULE, Ex ic IIC T5 Gc, IECEX, PRESSURE TRANSDUCER (Total sheets = 3) | EX-CONTROLLED-PT | B | 05/29/19 |
| *User Guide | 01-1027289 | G | 02/21 |

Certificate issued by:

intertek
Total Quality. Assured.

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Cortland NY 13045-2995
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