



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEX ETL 18.0009X Issue No: 0 Certificate history:
Issue No. 0 (2018-06-29)

Status: **Current**

Date of Issue: **2018-06-29** Page 1 of 3

Applicant: **PCB Piezotronics, Inc.**
3425 Walden Avenue, Depew, New York 14043-2495
United States of America

Equipment: **Intrinsically Safe Vibration Sensor**
Optional accessory: **None.**

Type of Protection: **Intrinsic Safety' Ia'**

Marking:
Ex ia IIC T4 Ga
Ui: 28V, Ii: 93 mA, Pi: 1 W, Ci: 6.5 nF, Li: 0 mH
-56°C < Ta < +121°C
IECEX ETL 18.0009X

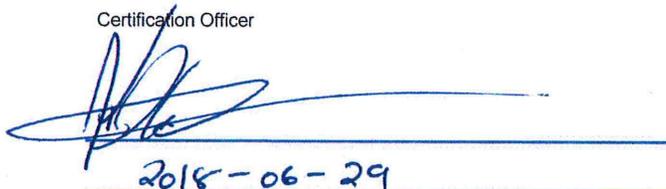
*Approved for issue on behalf of the IECEX
Certification Body:*

Kevin J. Wolf

Position:

Certification Officer

Signature:
(for printed version)



2018-06-29

Date:

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 the [Official IECEX Website](http://www.iecex.com).

Certificate issued by:

Intertek
165 Main Street
Cortland NY 13045-2995
United States of America



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Manufacturer: PCB Piezotronics, Incorporated
3425 Walden Avenue, Depew, New York 14043-2495
United States of America

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition:6.0

This Certificate does not indicate compliance with electrical 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:

[US/ETL/ExTR18.0013/00](#)

Quality Assessment Report:

[NL/DEK/QAR14.0004/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

EX621 or EXM621 Vibration Sensors are vibration sensor designed and manufactured by PCB piezotronics Inc. These sensors are evaluated for use in Zone 0 environment. They are evaluated for Ex ia IIC T4 Ga classified hazardous locations. Construction of both EXM621 and EX 621 is electrical same. Mechanically EXM has M-type of connection for power while EX 621 sensor are equipped with other type threaded connector. Sensor is powered in classified area using EX certified Barrier. Sensor incorporates Piezo element for sensing vibration. These signals are amplified internally on amplifier board.

Marking of Ex equipment present in Instruction Manual due to limited real estate on the product. Refer Annex for details on Marking and Warnings.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Equipment does not meet requirement of 6.3.13 for Di-electric Testing per requirement of IEC 60079-11:2011 6th Edition.

Annex:

[Annex for IECEx Certificate of Conformity .pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ETL 18.0009X	Issue No. 00
Annex No. 1		

Title:	Drawing No.:	Rev. Level:	Date:
*Technical File Intrinsic Safety ATEX, IECEx and ETL "ia".	69019	NR	05/30/2018