



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 19.0034X Issue No: 0 Certificate history:
Issue No. 0 (2019-08-22)

Status: **Current**

Page 1 of 3

Date of Issue: **2019-08-22**

Applicant: **PCB Piezotronics, Incorporated.**
3425 Walden Avenue, Depew, NY 14043-2495
United States of America

Equipment: **Accelerometers: EX(M)637XYYYY; EX(M)638XYYYY**
Optional accessory:

Type of Protection: **Intrinsic Safety 'ia' Non-Sparking 'nA'**

Marking:
Ex ia IIC T4 Ga
Ex nA IIC T4 Gc
-196° ≤ Ta ≤ 121°C
IECEX ETL 19.0034X

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

Kevin J. Wolf

Position:

Certification Officer

*Signature:
(for printed version)*

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



IECEX Certificate of Conformity

Certificate No: IECEx ETL 19.0034X Issue No: 0
Date of Issue: **2019-08-22** Page 2 of 3
Manufacturer: **PCB Piezotronics, Incorporated.**
3425 Walden Avenue, Depew, NY 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*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/ExTR19.0041/00

Quality Assessment Report:

NL/DEK/QAR14.0004/02 NL/DEK/QAR14.0004/03



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The products are Accelerometers with similar electronics.

EX(M)637XYYYZ Series Industrial ICP Accelerometer with Top exit connector

EX(M)638XYYYZ Series Industrial ICP Accelerometer with Side exit connector

The Accelerometers provide a voltage output when subjected to mechanical motion. They are intended to be fixed installation in the explosive atmosphere and to be supplied by field chosen/installed intrinsically safe barrier item.

When used in Zone 2

The Accelerometers provide a voltage output when subjected to mechanical motion. They are intended to be fixed installation in the explosive atmosphere and to be supplied by field chosen/installed supply item.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Version Ex ia:

None

Version Ex nA:

The apparatus must be only connect to an equipment whose electrical parameters are compatible with the electrical parameters. The apparatus shall be connected according to drawing 70910 (page 2/2). The connected cable and the connector must provide a minimum ingress protection of IP54, when assessed according to IEC 60079-0 and IEC 60079-15. Unused connector must be fitted with an appropriately rated blanking cover.

Routine Dielectric testing in accordance with IEC 60079-15

Annex

[Annex 1 IECEx ETL 19.0034X.pdf](#)



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Certificate No:	IECEX ETL 19.0034X	Issue No. 0
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*Technical File SECURITE INTRINSEQUE NON SPARK/ARC IECEX Ex ia IECEX Ex nA EX(M)637XYYYY Series Industrial ICP Accelerometer EX(M)638XYYYY Series Industrial ICP Accelerometer Page 1 of 2	70898	NR	7/24/2019
*Technical File SECURITE INTRINSEQUE NON SPARK/ARC IECEX Ex ia IECEX Ex nA EX(M)637XYYYY Series Industrial ICP Accelerometer EX(M)638XYYYY Series Industrial ICP Accelerometer Page 2 of 2	70898	NR	7/24/2019
*DESCRIPTIVE NOTICE FOR THE CERTIFICATION OF ACCELEROMETERS (IECEX Descriptive Notice) Page 1 of 1	70899	NR	07/24/19
*AMPLIFIER ASSEMBLY Page 1 of 3	70895	NR	7/16/19
*AMPLIFIER ASSEMBLY Page 2 of 3	70895	NR	7/16/19
*APPROVAL BOM	70895	NR	7/16/19

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Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
Page 3 of 3			
*APPROVAL ASSEMBLY EX(M)637XYYYY SERIES Page 1 of 2	70895	NR	7/16/19
* APPROVAL ASSEMBLY EX(M)638XYYYY SERIES Page 2 of 2	70895	NR	7/16/19
*ETCHING DRAWING MODEL EX(M)637XYYYY SERIES ETCHING DRAWING Page 1 of 2	70900	NR	8/8/19
*ETCHING DRAWING MODEL EX(M)638XYYYY SERIES ETCHING DRAWING Page 2 of 2	70900	NR	8/8/19
*APPROVAL INTERCONNECTION DIV 1, ZONE 0 Page 1 of 2	70910	NR	7/27/19
*APPROVAL INTERCONNECTION DIV 2, ZONE 2 Page 2 of 2	70910	NR	7/27/19
*INSTRUCTIONS FOR USE – EX(M)637XYYYY and EX(M)638XYYYY Series Page 1 of 3	70911	NR	08/01/19
*INSTRUCTIONS FOR USE – EX(M)637XYYYY and EX(M)638XYYYY Series	70911	NR	08/01/19

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Title:	Drawing No.:	Rev. Level:	Date:
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*INSTRUCTIONS FOR USE – EX(M)637XXXXZ and EX(M)638XXXXZ Series Page 3 of 3"	70911	NR	08/01/19
*APPROVAL XTAL DRAWING Page 1 of 1"	71165	NR	7/24/19

*Note: An * is included before the title of documents that are new or revised.*

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