

EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive
2014/34/EU

1. **EU-Type Examination Certificate Number:** ITS19ATEX25015 **Issue 00**
2. **Product:** ACCELEROMETERS [EX(M)637XYYYY; EX(M)638XYYYY]
3. **Manufacturer:** PCB Piezotronics, Incorporated.
4. **Address:** 3425 Walden Avenue, Depew, NY 14043-2495, USA
5. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
6. Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 Annex II of the Directive.
7. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11:2013 and EN 60079-11:2012 except in respect of those requirements referred to within item 14 of the Schedule.
8. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
9. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
10. The marking of the product shall include the following:



II 1 G Ex ia IIC T4 Ga
-196°C ≤ Ta ≤ +121°C

Certification Officer: _____

Kevin J. Wolf
Kevin J. Wolf

Date: _____

16 August 2019

SCHEDULE:

EU-Type Examination Certificate Number: ITS19ATEX25015 Issue 00

11. Description of Equipment or Protective System

The products are Accelerometers with similar electronics.

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

EX(M)638XYYYY 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 for Ex ia.

$U_i = 28V$, $I_i = 93mA$, $P_i = 0.65W$, $C_i = 6.5nF$, $L_i = 0H$

12. Report Number

Intertek Report: 103312845CRT-003a Dated: 8-August-2019.

13. Special Conditions of Certification

(a). Special Conditions of Use

- None

(b). Conditions of Manufacture - Routine Tests

- None

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 103312845CRT-003a Dated: 8-August-2019.

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Technical File SECURITE INTRINSEQUE NON SPARK/ARC ATEX Ex ia ATEX Ex nA EX(M)637XYYYY Series Industrial ICP Accelerometer EX(M)638XYYYY Series Industrial ICP Accelerometer Page 1 of 2	70893	NR	7/24/2019
Technical File SECURITE INTRINSEQUE NON SPARK/ARC ATEX Ex ia ATEX Ex nA EX(M)637XYYYY Series Industrial ICP Accelerometer EX(M)638XYYYY Series Industrial ICP Accelerometer Page 2 of 2	70893	NR	7/24/2019
DESCRIPTIVE NOTICE FOR THE CERTIFICATION OF ACCELEROMETERS (ATEX Descriptive Notice) Page 1 of 1	70894	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
AMPLIFIER ASSEMBLY Page 3 of 3	70895	NR	7/16/19
ETCHING DRAWING MODEL EX(M)637XYYYY SERIES ETCHING DRAWING Page 1 of 2	70897	NR	8/8/19

15. Drawings and Documents (Continued)

Title:	Drawing No.:	Rev. Level:	Date:
ETCHING DRAWING MODEL EX(M)638XYYYY SERIES ETCHING DRAWING Page 2 of 2	70897	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 Page 2 of 3"	70911	NR	08/01/19
INSTRUCTIONS FOR USE – EX(M)637XYYYY and EX(M)638XYYYY Series Page 3 of 3"	70911	NR	08/01/19
APPROVAL XTAL DRAWING Page 1 of 1"	71165	NR	7/24/19