



Certificate of Compliance

Certificate: 70028914 **Master Contract:** 184981
Project: 70028914 **Date Issued:** September 23, 2015
Issued to: Industrial Monitoring Instr. (IMI)
 A Div. of PCB Piezotronics, Inc.
 3425 Walden Ave
 Depew, NY 14043
 USA
 Attention: Jim Devine

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Zafar Iqbal

Issued by: Zafar Iqbal

PRODUCTS

- CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations
CLASS 2258 83 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non- Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards

Class I, Zone 2, AEx / Ex ic IIB T6... T510°C Gc

Class I, Division 2, Groups A, B, C, D: T6...T1

Accelerometer Type EX619XYY/MNNZZ; Non-incendive with entity parameters as shown below; must be installed per installation drawing 61067; temperature code as shown below;

Entity Parameters	Temperature Code
Ui / Vmax = 30V	
Ii / Imax = 130mA	T6 (-55°C to 80°C)
Pi / Pmax = 0.8W	T5 (-55°C to 95°C)



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Ci = 5nF	T4 (-55°C to 130°C)
Li = 30μH	T3 (-55°C to 195°C)
	T2 (-55°C to 290°C)
	T1 (-55 °C to 440°C)

Notes:

- For Canadian Installations, sensor case must be bonded to ground according to Section 18-182 of the CEC, Part 1.
- For US Installations, sensor case must be bonded to ground according to Article 501.16 of the NEC.

CLASS2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

CLASS2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS

Class I, Zone 0, AEx / Ex ia IIB T6... T510°C Ga

Class I, Division 1, Groups C, D: T6...T1

Class II, Division 1, Group E, F (Max amb 200 °C) , G (Max amb 165 °C)

Class III:

Accelerometer Type EX619XYY/MNNZZ; intrinsically safe with entity parameters as shown below; must be installed per installation drawing 61067; temperature code as shown below;



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Entity Parameters	Temperature Code
U _i / V _{max} = 30V	
I _i / I _{max} = 130mA	T6 (-55°C to 80°C)
P _i / P _{max} = 0.8W	T5 (-55°C to 95°C)
C _i = 5nF	T4 (-55°C to 130°C)
L _i = 30µH	T3 (-55°C to 195°C)
	T2 (-55°C to 290°C)
	T1 (-55 °C to 440°C)

Notes:

- For Canadian Installations, sensor case must be bonded to ground according to Section 18-182 of the CEC, Part 1.
- For US Installations, sensor case must be bonded to ground according to Article 501.16 of the NEC.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91 (R2001)	General Requirements – Canadian Electrical Code, Part II
C22.2 No. 142-M1987 (R2009)	Process Control Equipment
C22.2 No. 213-M1987 (R2008)	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA-C22.2 No. 60079-0:11 Ed. 5	Explosive Atmospheres - Part 0: Equipment - General requirements



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CAN/CSA-C22.2 No. 60079-11:14	Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety "i"
CAN/CSA-C22.2 No. 60079-15:12 Ed. 3	Electrical apparatus for explosive gas atmospheres - Part 15: Construction, test and marking of type of protection "n" electrical apparatus
UL 916 (4th Ed.)	Energy Management Equipment
UL 913 (8th Ed.)	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations
FM Std. No. 3600-1998	Electrical Equipment for Use in Hazardous (Classified) Locations – General Requirements
ANSI/ISA-12.12.01-2012	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
ANSI/UL 60079-15:09	Electrical apparatus for Explosive Gas Atmospheres - Part 15: Type of Protection "n"
ANSI/UL 60079-15:02	Electrical Apparatus for Explosive Gas Atmospheres - Part 15: Type of Protection "n".
ANSI/UL 60079-0:13	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
ANSI/UL 60079-11:13	Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70028914	Sep 23, 2015	New CSA C-US certification for model EX619XYY/ MNNNZZ for the following markings: Class I, Div 1, Groups C-D, Class II, Div 1 Groups E-G, Class III Class I, Div 2, Groups A-D, Ex ia IIB T6-T1 Ga / Ex ic IIB T6-T1 Gc