



Certificate of Compliance

Certificate: 1175335 (103164)

Master Contract: 184981

Project: 70043520

Date Issued: 2016-12-14

Issued to: Industrial Monitoring Instr. (IMI) A Div. of PCB Piezotronics, Inc.
3425 Walden Ave
Depew, New York 14043
USA
Attention: Carrie Termin

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.



Issued by: *Anil Sodhi*
Anil Sodhi

PRODUCTS

CLASS – 2258 04 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe, Entity - For Hazardous Locations-
CLASS – 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity-- For Hazardous Locations
- Certified to US Standards

Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Class III;

**Ex ia IIC T4;
AEx ia IIC T4**

- Models EX(XX)622yzzz/aaa, EX(XX)623yzzz/aaa, and EX(XX)628yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 6.5nF (Connector Series); L_i = 305 μ H, C_i = 67.5nF (Integrated Cable Series); when installed per installation drawing 65093 Page 1; Temp Code T4 @ Max Ambient 121°C.

- Models EXVO(XX)622yzzz/aaa, and EXVO(XX)623yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 69.2 nF (Connector Series); L_i = 61 μ H, C_i = 81.4nF (Integrated Cable Series); when installed per installation drawing 65093 Page 1; Temp Code T4 @ Max Ambient 121°C.



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- Model 9100CSA Vibration Sensor, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $P_{max} = 1W$, $L_i = 0$, $C_i = 1.2 nF$; when installed per installation dwg 16157; Temp Code T4 @ Max Ambient 121°C.

- Models AO720CS, AO725CS and AO728CS Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 30V$, $I_i (I_{max}) = 200mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 1.2 nF$ (Models AO720CS and AO725CS); $L_i = 151\mu H$, $C_i = 26.2 nF$ (Model AO728CS); when installed per installation dwgs 4547, 4551 and 4555; Temp Code T4 @ Max Ambient 121°C.

- Models SA6200-101 and SA6200-111 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 30V$, $I_i (I_{max}) = 200mA$, $P_i (P_{max}) = 1 W$; $C_i = 1.2 nF$, $L_i = 0$; when installed per installation Dwg. 9010-100; Temp Code T4 @ Max Ambient 121°C.

- Models EX(M)622B0X and EX(M)622B1X Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 28V$, $I_i (I_{max}) = 93mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 6.5nF$ (Connector Series); $L_i = 305\mu H$, $C_i = 67.5nF$ (Integrated Cable Series); when installed per installation drawing 65093 Page 1; Temp Code T4 @ Max Ambient 121°C. Model with suffix "B0X" indicates top 2 pin connector and "B1X" indicates integral model cable.

- Model EXVO(M)622B0X, and EXVO(M)622B1X Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 28V$, $I_i (I_{max}) = 93mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 69.2 nF$ (Connector Series); $L_i = 61\mu H$, $C_i = 81.4nF$ (Integrated Cable Series); when installed per installation drawing 65093 Page 1; Temp Code T4 @ Max Ambient 121°C. Model with suffix "B0X" indicates top 2 pin connector and "B1X" indicates integral model cable.

Class I, Div. 1, Groups C and D; Class II, Div. 1, Groups E, F and G; Class III;

Ex ia IIB T4;

AEx ia IIB T4

- Models EX(XX)625yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 28V$, $I_i (I_{max}) = 93mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 6.5nF$ (Connector Series); $L_i = 305\mu H$, $C_i = 67.5nF$ (Integrated Cable Series); when installed per installation drawing 65093 Page 1; Temp Code T4 @ Max Ambient 121°C.

- Models EXVO(XX)625yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 28V$, $I_i (I_{max}) = 93mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 69.2 nF$ (Connector Series); $L_i = 61\mu H$, $C_i = 81.4nF$ (Integrated Cable Series); when installed per installation drawing 65093 Page 1; Temp Code T4 @ Max Ambient 121°C.

- Model 9200CSA Vibration Sensor, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $P_{max} = 1 W$, $L_i = 0$, $C_i = 1.2 nF$; when installed per installation dwg 16160; Temp Code T4 @ Max Ambient 121°C.

Class I, Div. 1, Groups A, B, C and D;

Ex ia IIC T3;

AEx ia IIC T3



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- Models EXHT(XX)622 yzzz/aaa, EXHT(XX)623 yzzz/aaa and EXHT(XX)628 yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 6.5 nF (Connector Series); L_i = 305 μ H, C_i = 67.5nF (Integrated Cable Series); when installed per installation Drawing 65093 Page 2; Temp Code T3 @ Max. Ambient 163 $^{\circ}$ C (325 $^{\circ}$ F).

- Models EXHTVO(XX)622 yzzz/aaa and EXHTVO(XX)623 yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 69.2 nF (Connector Series); L_i = 61 μ H, C_i = 81.4nF (Integrated Cable Series); when installed per installation Drawing 65093 Page 2; Temp Code T3 @ Max. Ambient 163 $^{\circ}$ C (325 $^{\circ}$ F).

Class I, Div. 1, Groups C and D;
Ex ia IIB T3;
AEx ia IIB T3

- Models EXHT(XX)625 yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 6.5 nF (Connector Series); L_i = 305 μ H, C_i = 67.5 nF (Cable Series); when installed per installation 65093 Page 2; Temp Code T3@ Max Ambient 163 $^{\circ}$ C(325 $^{\circ}$ F).

- Models EXHTVO(XX)625 yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 69.2nF (Connector Series); L_i = 61 μ H, C_i = 81.4 nF (Cable Series); when installed per installation 65093; Temp Code T3@ Max Ambient 163 $^{\circ}$ C(325 $^{\circ}$ F).

Models EX(XX)62xyzzz/aaa nomenclature coding:

(XX) - Optional designations

M – Metric mounting hardware and cable

TO – Temperature Output Sensor

VO – Velocity Output Sensor

HT – High Temperature Accelerometer (325 $^{\circ}$ F)

x – Model number (2, 3, 5 or 8)

y – Letter from A to Z denoting model revision

zzz – Numbers 00 to 999 denoting connection/cable type and sensitivity (two numbers) or special order number.

aaa – Cable length and/or connector type.

Notes:

1. For Canadian Installations, sensor case must be bonded to ground according to Section 18 of the CEC, Part 1.
2. For US Installations, sensor case must be bonded to ground according to Articles 501 and 505 of the NEC.
3. Wires rated at least 20K above rated maximum ambient temperature must be used for installation.



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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, Div. 2, Groups A, B, C and D;
Ex nL IIC T4; AEx nA IIC T4**

- Models EX(XX)622yzzz/aaa, EX(XX)623yzzz/aaa, and EX(XX)628yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 6.5nF (Connector Series); L_i = 305 μ H, C_i = 67.5nF (Integrated Cable Series); when installed per installation drawing 65093 Page 3; Temp Code T4 @ Max Ambient 121 $^{\circ}$ C.

- Models EXVO(XX)622yzzz/aaa, and EXVO(XX)623yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 69.2 nF (Connector Series); L_i = 61 μ H, C_i = 81.4nF (Integrated Cable Series); when installed per installation drawing 65093 Page 3; Temp Code T4 @ Max Ambient 121 $^{\circ}$ C.

- Model 9100CSA Vibration Sensor, input rated 28V dc max, 20mA; nonincendive with entity parameters of: V_{max} = 30V, I_{max} = 200mA, P_{max} = 1W, L_i = 0, C_i = 1.2 nF; when installed per installation dwg 16157; Temp Code T4 @ Max Ambient 121 $^{\circ}$ C.

- Model 9200CSA Vibration Sensor, input rated 28V dc max, 20mA; nonincendive with entity parameters of: V_{max} = 30V, I_{max} = 200mA, P_{max} = 1 W, L_i = 0, C_i = 1.2 nF; when installed per installation dwg 16160; Temp Code T4 @ Max Ambient 121 $^{\circ}$ C.

- Models AO720CS, AO725CS and AO728CS Vibration Sensors, input rated 28V dc max, 20mA; nonincendive with entity parameters of: U_i (V_{max}) = 30V, I_i (I_{max}) = 200mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 1.2 nF (Models AO720CS and AO725CS); L_i = 151 μ H, C_i = 26.2 nF (Model AO728CS); when installed per Installation Dwg 4547, 4551 and 4555; Temp Code T4 @ Max Ambient 121 $^{\circ}$ C.

- Models SA6200-101 and SA6200-111 Vibration Sensors, input rated 28V dc max, 20mA; non-incendive with entity parameters of: U_i (V_{max}) = 30V, I_i (I_{max}) = 200mA, P_i (P_{max}) = 1 W; C_i = 1.2 nF, L_i = 0; when installed per installation Dwg. 9010-100; Temp Code T4 @ Max Ambient 121 $^{\circ}$ C.

- Models EX(M)622B0X and EX(M)622B1X Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 6.5nF (Connector Series); L_i = 305 μ H, C_i = 67.5nF (Integrated Cable Series); when installed per installation drawing 65093 Page 1; Temp Code T4 @ Max Ambient 121 $^{\circ}$ C. Model with suffix "B0X" indicates top 2 pin connector and "B1X" indicates integral model cable.

EXVO(M)622B0X, and EXVO(M)622B1X Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 69.2 nF (Connector Series); L_i = 61 μ H, C_i = 81.4nF (Integrated Cable Series); when installed per installation drawing 65093 Page 1; Temp Code T4 @ Max Ambient 121 $^{\circ}$ C. Model with suffix "B0X" indicates top 2 pin connector and "B1X" indicates integral model cable.



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Class I, Div. 2, Groups A, B, C and D;

Ex nL IIC T3;

AEx nA IIC T3

- Models EXHT(XX)622yzzz/aaa, EXHT(XX)623yzzz/aaa and EXHT(XX)628yzzz/aaa, series Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 6.5 nF (Connector Series); L_i = 305 μ H, C_i = 67.5 nF (Cable Series); when installed per installation 65093 Page 4; Temp Code T3 @ Max Ambient 163°C (325°F).

- Models EXHTVO(XX)622yzzz/aaa series and EXHTVO(XX)623yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 69.2nF (Connector Series); L_i = 61 μ H, C_i = 81.4 nF (Cable Series); when installed per installation 65093 Page 4; Temp Code T3 @ Max Ambient 163°C (325°F).

Class I, Div. 2, Groups C and D;

Ex nL IIB T4;

AEx nA IIB T4

- Models EX(XX)625yzzz/aaa, Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 6.5 nF (Connector Series); L_i = 305 μ H, C_i = 67.5nF (Cable Series); when installed per installation 65093 Page 3; Temp Code T4 @ Max Ambient 121°C.

- Models EXVO(XX)625yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 69.2nF (Connector Series); L_i = 61 μ H, C_i = 81.4nF (Cable Series); when installed per installation 65093 Page 3; Temp Code T4 @ Max Ambient 121°C.

Class I Div 2, Groups C and D;

Ex nL IIB T3;

AEx nA IIB T3

- Models EXHT(XX)625yzzz/aaa Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 6.5 nF (Connector Series); L_i = 305 μ H, C_i = 67.5 nF (Cable Series); when installed per installation 65093 Page 4; Temp Code T3@ Max Ambient 163°C (325°F).

- Models EXHTVO(XX)625yzzz/aaa series Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: U_i (V_{max}) = 28V, I_i (I_{max}) = 93mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 69.2nF (Connector Series); L_i = 61 μ H, C_i = 81.4 nF (Cable Series); when installed per installation 65093 Page 4; Temp Code T3 @ Max Ambient 163°C (325°F).



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Models EX(XX)62xyzzz/aaa nomenclature coding:

(XX) - Optional designations

M – Metric mounting hardware and cable

TO – Temperature Output Sensor

VO – Velocity Output Sensor

HT – High Temperature Accelerometer (325°F)

x – Model number (2, 3, 5 or 8)

y – Letter from A to Z denoting model revision

zzz – Numbers 00 to 999 denoting connection/cable type and sensitivity (two numbers) or special order number.

aaa – Cable length and/or connector type.

Notes:

1. For Canadian Installations, sensor case must be bonded to ground according to Section 18 of the CEC, Part 1.
2. For US Installations, sensor case must be bonded to ground according to Articles 501 and 505 of the NEC.
3. Wires rated at least 20K above rated maximum ambient temperature must be used for installation.



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APPLICABLE REQUIREMENTS

- | | |
|-------------------------------|---|
| CAN/CSA-C22.2 No. 0-M91 | - General Requirements – Canadian Electrical Code, Part II |
| C22.2 No. 142-M1987 | - Process Control Equipment |
| CAN/CSA-C22.2 No. 157-92 | - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations |
| UL 913 (7 th Ed.) | - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations |
| UL 916 (3 rd Ed.) | - Energy Management Equipment |
| CAN/CSA-C22.2 No. 60079-0:07 | - Electrical apparatus for explosive gas atmospheres - Part 0: General Requirements |
| CAN/CSA-E60079-11:02 | - Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic Safety "i" |
| ANSI/UL 60079-0:05 | - Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements |
| ANSI/UL 60079-11:07 | - Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i" |
| C22.2 No. 213-M1987 | - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations |
| UL 1604 (3 rd Ed.) | - Electrical Equipment for Use in Class I and II, Division 2; Class III Hazardous (Classified) Locations |
| ANSI/ISA 12.12.01-2007 | - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations |
| CAN/CSA-E60079-15:02 | - 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" |



Supplement to Certificate of Compliance

Certificate: 1175335 (103164)

Master Contract: 184981

*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
70043520	2016-12-14	Update to report 1175335 to include model EX(M)622B & EXVO(M)622B series which is a revised model of EX622A series. The difference between both the models is in the element assembly.
70085078	2016-11-21	Update to report 1175335 to include EX62x models with options HT (325F), M, TO (with 3 pin connector) and VO (optional circuitry) and transfer of Model EX628 from CSA report 2009167.
2510945	2012-04-09	Update to include revised drawings. No construction changes.
2009168	2009-03-10	Update to include Division 2, Zone 2, Zone 0 and C/US for Vibration Sensors for Hazardous Locations (North America).
1213855	2001-06-11	Update to Report 1175335 to include Private Label Models 9100CSA and 9200CSA.
1175335	2001-02-23	Supersedes Report LR 103164-3. (Models 322A01, A31 and A11 vibration sensors, intrinsically safe (entity) for use in hazardous locations (CSA-FM project). - Update to Report LR 103164-1 to cover revised drawings.) - To add model CSTO622A01.
LR 103164-20	1999-06-01	Update of Report LR 103164-3, to Include Models CS625B01, C5625B11, SA6210-101 and SA6210-111.
LR 103164-13	1998-07-24	Update to Report LR 103164-3 to cover the addition of Model CS623C01.
LR 103164-12	1998-05-04	Update to cover revised model number (i.e. "328" to "628" and addition of Private Label Models SA6200-101, -102, -111 and -112.
LR 103164-8	1996-08-29	Update of Report LR103164-3, to include Models A0720CS, A0725CS and A0728CS, for hazardous locations.
LR 103164-3	1996-05-28	Original certification



Certificate of Compliance

Certificate: 1175335 **Master Contract:** 184981
Project: 2009168 **Date Issued:** 2008/07/24
Issued to: Industrial Monitoring Instr. (IMI)
A Div. of PCB Piezotronics, Inc.
3425 Walden Ave
Depew, NY 14043
USA
Attention: Nick Fulciniti

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by: Ron Wildish

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards
CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G;

Exia IIC T4:

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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Project: 2009168

Date Issued: 2008/07/24

AEx ia IIC T4:

- Models CS622A01, CS622A31, CS623C00, CS623C01 and CS622A11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 30V$, $I_i (I_{max}) = 200mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 1.2 nF$ (Models 622A01, 622A31, CS623C00 and CS623C01); $L_i = 151\mu H$, $C_i = 26.2 nF$ (Model 622A11); when installed per installation dwgs 8066, 8068, 9228, 8945 and 8067; Temp Code T4 @ Max Ambient 121 Deg C.

- Model 9100CSA Vibration Sensor, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $P_{max} = 1W$, $L_i = 0$, $C_i = 1.2 nF$; when installed per installation dwg 16157; Temp Code T4 @ Max Ambient 121 Deg C.

- Models AO720CS, AO725CS and AO728CS Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 30V$, $I_i (I_{max}) = 200mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 1.2 nF$ (Models AO720CS and AO725CS); $L_i = 151\mu H$, $C_i = 26.2 nF$ (Model AO728CS); when installed per installation dwgs 4547, 4551 and 4555; Temp Code T4 @ Max Ambient 121 Deg C.

- Models CSVO622A01, CSVO622A31, and CSVO622A11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 30V$, $I_i (I_{max}) = 200mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 62 nF$ (Models 622A01 and 622A31); $L_i = 151\mu H$, $C_i = 87 nF$ (Model 622A11); when installed per installation dwgs 8082, 8088 and 8085; Temp Code T4 @ Max Ambient 121Deg C.

- Model CSTO622A01 Vibration Sensor; input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $U_i (V_{max}) = 30V$, $I_i (I_{max}) = 93 mA$, $P_i (P_{max}) = 1 W$, $L_i = 0$, $C_i = 1.2 nF$; when installed per installation dwg.15340; Temp Code T4 @ Max Ambient 121 Deg C.

Class I, Groups C and D; Class II, Div. 1, Groups E, F and G:

Exia IIB T4:

AEx ia IIB T4:

- Models CS625B01 and CS625B11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity



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Project: 2009168

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parameters of: U_i (V_{max}) = 30V, I_i (I_{max}) = 200mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 1.2 nF (Model 625B01); L_i = 151 μ H, C_i = 26.2 nF (Model 625B11); when installed per Installation Dwg's 9577 and 9578; Temp Code T4 @ Max Ambient 121 Deg C.

- Model 9200CSA Vibration Sensor, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: V_{max} = 30V, I_{max} = 200mA, P_{max} = 1 W, L_i = 0, C_i = 1.2 nF; when installed per installation dwg 16160; Temp Code T4 @ Max Ambient 121 Deg C.

Notes:

1. For Canadian Installations, sensor case must be bonded to ground according to Section 18 of the CEC, Part 1.
2. For US Installations, sensor case must be bonded to ground according to Articles 501 and 505 of the NEC.

CLASS2258 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, Div. 2, Groups A, B, C, D:

Ex nL IICT4:

AEx nA IICT4:

- Models CS622A01, CS622A31, CS623C00, CS623C01 and CS622A11 Vibration Sensors, input rated 28V dc max, 20mA; nonincendive with entity parameters of: U_i (V_{max}) = 30V, I_i (I_{max}) = 200mA, P_i (P_{max}) = 1 W, L_i = 0, C_i = 1.2 nF (Models 622A01, 622A31, CS623C00 and CS623C01); L_i = 151 μ H, C_i = 26.2 nF (Model 622A11); when installed per Installation Dwg's 8066, 8068, 9228, 8945 and 8067; Temp Code T4 @ Max Ambient 121 Deg C.

- Model 9100CSA Vibration Sensor, input rated 28V dc max, 20mA; nonincendive with entity parameters of: V_{max} =



Certificate: 1175335

Master Contract: 184981

Project: 2009168

Date Issued: 2008/07/24

30V, $I_{max} = 200\text{mA}$, $P_{max} = 1\text{W}$, $L_i = 0$, $C_i = 1.2\text{ nF}$; when installed per installation dwg 16157; Temp Code T4 @ Max Ambient 121 Deg C.

- Models CS625B01 and CS625B11 Vibration Sensors, input rated 28V dc max, 20mA; nonincendive with entity parameters of: $U_i (V_{max}) = 30\text{V}$, $I_i (I_{max}) = 200\text{mA}$, $P_i (P_{max}) = 1\text{ W}$, $L_i = 0$, $C_i = 1.2\text{ nF}$ (Model 625B01); $L_i = 151\mu\text{H}$, $C_i = 26.2\text{ nF}$ (Model 625B11); when installed per Installation Dwg 9577 and 9578; Temp Code T4 @ Max Ambient 121 Deg C.

- Model 9200CSA Vibration Sensor, input rated 28V dc max, 20mA; nonincendive with entity parameters of: $V_{max} = 30\text{V}$, $I_{max} = 200\text{mA}$, $P_{max} = 1\text{ W}$, $L_i = 0$, $C_i = 1.2\text{ nF}$; when installed per installation dwg 16160; Temp Code T4 @ Max Ambient 121 Deg C.

- Models AO720CS, AO725CS and AO728CS Vibration Sensors, input rated 28V dc max, 20mA; nonincendive with entity parameters of: $U_i (V_{max}) = 30\text{V}$, $I_i (I_{max}) = 200\text{mA}$, $P_i (P_{max}) = 1\text{ W}$, $L_i = 0$, $C_i = 1.2\text{ nF}$ (Models AO720CS and AO725CS); $L_i = 151\mu\text{H}$, $C_i = 26.2\text{ nF}$ (Model AO728CS); when installed per Installation Dwg 4547, 4551 and 4555; Temp Code T4 @ Max Ambient 121 Deg C.

- Models CSVO622A01, CSVO622A31, and CSVO622A11 Vibration Sensors, input rated 28V dc max, 20mA; nonincendive with entity parameters of: $U_i (V_{max}) = 30\text{V}$, $I_i (I_{max}) = 200\text{mA}$, $P_i (P_{max}) = 1\text{ W}$, $L_i = 0$, $C_i = 62\text{ nF}$ (Models 622A01 and 622A31); $L_i = 151\mu\text{H}$, $C_i = 87\text{ nF}$ (Model 622A11); when installed per Installation Dwg 8082, 8088 and 8085; Temp Code T4 @ Max Ambient 121 Deg C.

- Model CSTO622A01 Vibration Sensor; input rated 28V dc max, 20mA; nonincendive with entity parameters of: $U_i (V_{max}) = 30\text{V}$, $I_i (I_{max}) = 93\text{ mA}$, $P_i (P_{max}) = 1\text{ W}$, $L_i = 0$, $C_i = 1.2\text{ nF}$; when installed per Installation Dwg.15340; Temp Code T4 @ Max Ambient 121 Deg C.

Notes:

1. For Canadian Installations, sensor case must be bonded to ground according to Section 18 of the CEC, Part 1.
2. For US Installations, sensor case must be bonded to ground according to Articles 501 and 505 of the NEC.



Certificate: 1175335

Master Contract: 184981

Project: 2009168

Date Issued: 2008/07/24

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91 - General Requirements – Canadian Electrical Code, Part II

C22.2 No. 142-M1987 - Process Control Equipment

CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

UL 913 (7th Ed.) - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations

UL 916 (3rd Ed.) - Energy Management Equipment

UL 1604 (3rd Ed.) - Electrical Equipment for Use in Class I and II, Division 2; Class III Hazardous (Classified) Locations

CAN/CSA-C22.2 No. 60079-0:07 - Electrical apparatus for explosive gas atmospheres - Part 0: General Requirements

CAN/CSA-E60079-11:02 - Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic Safety "i"

ANSI/UL 60079-0:05- Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements

ANSI/UL 60079-11:07 - Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"

ANSI/ISA 12.12.01-2007 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

CAN/CSA-E60079-15:02 - 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"



Supplement to Certificate of Compliance

Certificate: 1175335

Master Contract: 184981

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
2009168	2008/07/24	Update to include Division 2, Zone 2, Zone 0 and C/US for Vibration Sensors for Hazardous Locations (North America).

History

- 1213855 June 11, 2001 Update to include Private Label models 9100CSA and 9200CSA.
- 1175335 February 23, 2001 Update to include model CSTO622A01.
- 20 June 1, 1999 Update to include models CS625B01, CS625B11, SA6210-101 and SA6210-111.
- 16 Feb. 4/99 Update to cover revised model # (ie. "322" to "622"); and addition of models CS623C00, VO622A01, VO622A11 and VO622A31.
- 13 July 24, 1998 Update to include Model CS623C01
- 8 Aug. 29, 1996 Update to include Private Label models AO720CS, AO725CS and AO728CS.
- 3 May 28, 1996 Original Certification; models CS322A01, CS322A31 and CS322A11.

Supplement Notes

Certificate of Compliance

Certificate: 1175335 (LR 103164-3)

Master Contract: 184981

Project: 1213855

Date Issued: June 11, 2001

Issued to: Industrial Monitoring Instrumentation,
A Div. of PCB Piezotronics, Inc.
3425 Walden Ave.
Depew, NY 14043
USA
Attention: Mr. Nick Fulciniti


The products listed below are eligible to bear the CSA Mark shown



Issued by:


R. Wildish

Authorized by:


Brian Rossborough
Operations Manager

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

Class I, Groups A, B, C and D:

- Models CS622A01, CS622A31, CS623C00, CS623C01 and CS622A11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 1.2 nF$ (Models 622A01, 622A31, CS623C00 and CS623C01); $L_i = 151\mu H$, $C_i = 26.2 nF$ (Model 622A11); when installed per installation dwgs 8066, 8068, 9228, 8945 and 8067.

- Model 9100CSA Vibration Sensor, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 1.2 nF$; when installed per installation dwg 16157.

- Models CS625B01 and CS625B11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 1.2 nF$ (Model 625B01); $L_i = 151\mu H$, $C_i = 26.2 nF$ (Model 625B11); when installed per installation dwgs 9577 and 9578.

- Model 9200CSA Vibration Sensor, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 1.2 nF$; when installed per installation dwg 16160.

Certificate: 1175335



Master Contract: 184981

Project: 1213855

Date: June 11, 2001

- Models AO720CS, AO725CS and AO728CS Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 1.2 \text{ nF}$ (Models AO720CS and AO725CS); $L_i = 151\mu H$, $C_i = 26.2 \text{ nF}$ (Model AO728CS; when installed per installation dwgs 4547, 4551 and 4555.

- Models CSVO622A01, CSVO622A31, and CSVO622A11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 62 \text{ nF}$ (Models 622A01 and 622A31); $L_i = 151\mu H$, $C_i = 87 \text{ nF}$ (Model 622A11); when installed per installation dwgs 8082, 8088 and 8085.

- Models SA6210-101 and SA6210-111 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 1.2 \text{ nF}$; when installed per installation dwg. 9062-100.

- Model CSTO622A01 Vibration Sensor; input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 93mA$, $L_i = 0$, $C_i = 1.2 \text{ nF}$; when installed per installation dwg.15340; Temp. Code T4.

Note: Sensor case must be connected to supply source ground with either of the following methods:

- (a) A separate conductor connecting the transmitter connector shell to supply source ground.
- (b) Transmitter must be mounted directly on a conductive structure which is connected to supply source ground.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No.	142-M1987	-	Process Control Equipment
CAN/CSA-C22.2 No.	157-92	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

MARKINGS

- CSA Monogram
- Company Name
- Model number
- Serial number
- Electrical rating
- Hazardous Location designation
- The symbol "Exia"
- Temp. Code Rating
- Reference to Installation Instructions
- A statement re Intrinsic Safety



CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1175335 (LR 103164-3)

Master Contract: 184981

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
1213855	June 11, 2001	Update to include Private Label models 9100CSA and 9200CSA.
1175335	February 23, 2001	Update to include model CSTO622A01.
-20	June 1, 1999	Update o include models CS625B01, CS625B11, SA6210-101 and SA6210-111.
-16	Feb. 4/99	Update to cover revised model # (ie. "322" to "622"); and addition of models CS623C00, VO622A01, VO622A11 and VO622A31.
-13	July 24, 1998	Update to include Model CS623C01
-8	35305	Update to include Private Label models AO720CS, AO725CS and AO728CS.
-3	35212	Original Certification; models CS322A01, CS322A31 and CS322A11.

Certificate of Compliance

Certificate: 1175335 (LR 103164-3)

Master Contract: 184981

Project: 1175335

Date Issued: February 23, 2001

Issued to: Industrial Monitoring Instrumentation,
A Div. of PCB Piezotronics, Inc.
3425 Walden Ave.
Depew, NY 14043
USA
Attention: Mr. Nick Fulciniti

The products listed below are eligible to bear the CSA Mark shown



Issued by:

R. Wildish
R. Wildish

Authorized by:

Brian Rossborough
Brian Rossborough
Operations Manager

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

Class I, Groups A, B, C and D:

- Models CS622A01, CS622A31, CS623C00, CS623C01 and CS622A11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 1.2 nF$ (Models 622A01, 622A31, CS623C00 and CS623C01); $Li = 151\mu H$, $Ci = 26.2 nF$ (Model 622A11); when installed per installation dwgs 8066, 8068, 9228, 8945 and 8067.

- Models CS625B01 and CS625B11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 1.2 nF$ (Model 625B01); $Li = 151\mu H$, $Ci = 26.2 nF$ (Model 625B11); when installed per installation dwgs 9577 and 9578.

- Models AO720CS, AO725CS and AO728CS Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 1.2 nF$ (Models AO720CS and AO725CS); $Li = 151\mu H$, $Ci = 26.2 nF$ (Model AO728CS); when installed per installation dwgs 4547, 4551 and 4555.

Certificate: 1175335



Master Contract: 184981

Project: 1175335

Date: February 23, 2001

- Models CSVO622A01, CSVO622A31, and CSVO622A11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 62\text{ nF}$ (Models 622A01 and 622A31); $L_i = 151\mu H$, $C_i = 87\text{ nF}$ (Model 622A11); when installed per installation dwgs 8082, 8088 and 8085.

- Models SA6210-101 and SA6210-111 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 1.2\text{ nF}$; when installed per installation dwg. 9062-100.

- Model CSTO622A01 Vibration Sensor; input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 93mA$, $L_i = 0$, $C_i = 1.2\text{ nF}$; when installed per installation dwg. 15340; Temp. Code T4.

Note: Sensor case must be connected to supply source ground with either of the following methods:

- (a) A separate conductor connecting the transmitter connector shell to supply source ground.
- (b) Transmitter must be mounted directly on a conductive structure which is connected to supply source ground.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No.	142-M1987	-	Process Control Equipment
CAN/CSA-C22.2 No.	157-92	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

MARKINGS

- CSA Monogram
- Company Name
- Model number
- Serial number
- Electrical rating
- Hazardous Location designation
- The symbol "Exia"
- Temp. Code Rating
- Reference to Installation Instructions
- A statement re Intrinsic Safety



GSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1175335 (LR 103164-3)

Master Contract: 184981

*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
1175335	February 23, 2001	Update to include model CSTO622A01.
-20	June 1, 1999	Update o include models CS625B01, CS625B11, SA6210-101 and SA6210-111.
-16	Feb. 4/99	Update to cover revised model # (ie. "322" to "622"); and addition of models CS623C00, VO622A01, VO622A11 and VO622A31.
-13	July 24, 1998	Update to include Model CS623C01
-8	35305	Update to include Private Label models AO720CS, AO725CS and AO728CS.
-3	35212	Original Certification; models CS322A01, CS322A31 and CS322A11.



CSA INTERNATIONAL

Certificate of Compliance

Certificate Number: LR 103164-3

Revision: LR 103164-20


Date Issued: June 1, 1999

Issued To: **INDUSTRIAL MONITORING INSTRUMENTATION**
A DIV. OF PCB PIEZOTRONICS, INC.
3425 WALDEN AVE.
DEPEW, NY 14043
USA
Attention: Mr. N. Fulciniti

The products listed below are eligible to bear the CSA Mark shown



Issued by: R. Wildish

Signature: 

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

Class I, Groups A, B, C and D:

- Models CS622A01, CS622A31, CS623C00, CS623C01 and CS622A11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 1.2 nF$ (Models 622A01, 622A31, CS623C00 and CS623C01); $Li = 151\mu H$, $Ci = 26.2 nF$ (Model 622A11); when installed per installation dwgs 8066, 8068, 9228, 8945 and 8067.

- Models CS625B01 and CS625B11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 1.2 nF$ (Model 625B01); $Li = 151\mu H$, $Ci = 26.2 nF$ (Model 625B11); when installed per installation dwgs 9577 and 9578.

- Models AO720CS, AO725CS and AO728CS Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 1.2 nF$ (Models AO720CS and AO725CS); $Li = 151\mu H$, $Ci = 26.2 nF$ (Model AO728CS); when installed per installation dwgs 4547, 4551 and 4555.

- Models CSVO622A01, CSVO622A31, and CSVO622A11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 62 nF$ (Models 622A01 and 622A31); $Li = 151\mu H$, $Ci = 87 nF$ (Model 622A11); when installed per installation dwgs 8082, 8088 and 8085.



Revision: LR 103164-20

- Models SA6210-101 and SA6210-111 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $L_i = 0$, $C_i = 1.2 nF$; when installed per installation dwg. 9062-100.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No.	142-M1987	-	Process Control Equipment
CAN/CSA-C22.2 No.	157-92	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

MARKINGS

- Company Name
- Model number
- Serial number
- Electrical rating
- Hazardous Location designation
- CSA Monogram
- The symbol "Exia"
- Reference to Installation Instructions
- A statement re Intrinsic Safety



CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate Number: LR 103164-3

Issued To: INDUSTRIAL MONITORING INSTRUMENTATION
A DIV. OF PCB PIEZOTRONICS, INC.
3425 WALDEN AVE.
DEPEW, NY 14043
USA
Attention: Mr. N. Fulciniti

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

Issued By: R. Wildish

Signature

Product Certification History

Revision	Date	Description
-20	June 1, 1999	Update o include models CS625B01, CS625B11, SA6210-101 and SA6210-111.
-16	Feb. 4/99	Update to cover revised model # (ie. "322" to "622"); and addition of models CS623C00, VO622A01, VO622A11 and VO622A31.
-13	July 24, 1998	Update to include Model CS623C01
-8	August 29, 1996	Update to include Private Label models AO720CS, AO725CS and AO728CS.
-3	May 28, 1996	Original Certification; models CS322A01, CS322A31 and CS322A11.



Certificate of Compliance

Certificate Number: LR 103164-1

Revision: LR 103164-12

Date Issued: May 4, 1998

Issued To: **INDUSTRIAL MONITORING INSTRUMENTATION**
A DIV. OF PCB PIEZOTRONICS, INC.
3425 WALDEN AVE.
DEPEW, NY 14043
USA
Attention: Mr. Nick Fulciniti

The products listed below are eligible to bear the CSA Mark.

Issued By: R. Wildish
Toronto, ON Canada

Signature

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

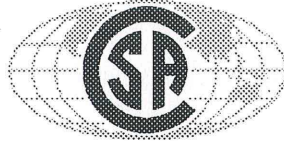
PRODUCTS

Class I, Groups A, B, C and D:

- Models CS628F01, CSM628F01, CS628F11 and CSM628F11 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 1.2nF$ (Model 628F01); $Li = 151\mu H$, $Ci = 26.2nF$ (Model 628F11); when installed per installation dwgs 8123 and 8124.

- Models SA6200-101, SA6200-102, SA6200-111 and SA6200-112 Vibration Sensors, input rated 28V dc max, 20mA; intrinsically safe with entity parameters of: $V_{max} = 30V$, $I_{max} = 200mA$, $Li = 0$, $Ci = 1.2nF$; when installed per installation dwgs 9010-100 and 9010-102.

Certificate No: LR 103164-1



Date: May 4, 1998

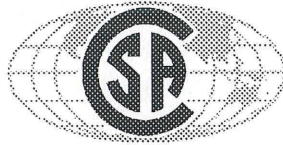
Revision: LR 103164-12

APPLICABLE REQUIREMENTS

CSA Std C22.2 No.	142-M1987	-	Process Control Equipment
CAN/CSA-C22.2 No.	157-92	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

MARKINGS

- Company Name
- Model number
- Serial number
- Electrical rating
- Hazardous Location designation
- CSA Monogram
- The symbol Exia
- Reference to Installation Instructions
- A statement re Intrinsic Safety



Supplement to Certificate of Compliance

Certificate Number: LR 103164-1

Issued To: **INDUSTRIAL MONITORING INSTRUMENTATION**
A DIV. OF PCB PIEZOTRONICS, INC.
3425 WALDEN AVE.
DEPEW, NY 14043
USA
Attention: Mr. Nick Fulciniti

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

Issued By: R. Wildish
Toronto, ON Canada

Signature

Product Certification History

Revision	Date	Description
- 12	May 4, 1998	Update to cover revised model # (ie. "328" to "628"); and addition of Private Label models SA6200-101, -102, -111 and -112.
- 3	May 28/96	Update to cover revised circuitry.
-1	March 20/95	Original Certification - Models CS328F01 and CS328F11.