



Certificate of Compliance

Certificate: 1536898

Master Contract: 156625

Project: 70170354

Date Issued: 2018-02-05

Issued to: Greyline Instruments Incorporated
16456 Sixsmith Dr.
Long Sault, Ontario K0C 1P0
CANADA
Attention: Michael Blackadder

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: Amandeep Singh Khatra
Amandeep Singh Khatra

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, Division 1, Groups C and D; Class II, Groups E, F and G; Class III; Encl. Type 4:

- Piezo-electric transducer, Model PZ** Series, rated 17.8 V, 150 mA. Intrinsically Safe when connected to Certified Safety Barriers, rated 17.8 V_{max} and 95 ohms min. or 9.6 V_{max} and 27 ohms.

Class I, Division 2, Groups A, B, C and D:

- Piezo-electric transducer, Model PZ** Series, rated 17.8 V, 150 mA. Non-Incendive when installed as per drawing PZSPEC-DIV2-01.



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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-M91 (R2001)	General Requirements – Canadian Electrical Code, Part II
CSA C22.2 Std. 25-1996 (R2004)	Enclosures for Use in Class II, Groups E, F and G
CSA C22.2 Std. 94-M91 (R2006)	Special Purpose Enclosures (Industrial Products)
CSA C22.2 Std. 142-M87 (R2004)	Process Control Equipment
C22.2 No. 213-M1987	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CSA-C22.2 No. 157-92 (R2006)	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
UL Std. No. 50	Electrical Enclosures
UL 916 (4th Ed.)	Energy Management Equipment
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
UL 913, 7 th Ed.	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations



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
70170354	2018-02-05	Update to report 1536898 due to changes to the installation drawing.
2603533	2013-04-08	Update to include latest standards, alternate encapsulant and Division 2 listing.
2166134	2009-06-08	Update to cover barrier ratings revision.
2117474	2009-01-07	Update to cover similar PZ Series Horn Assembly transducer, addition of nameplates dwgs and R1 revision.
2061238	2008-10-30	Update to include alt. circuits and added barrier rated 9.3 Vmax, 27 ohms
1536898	2004-12-07	PZ** Series Transducer for installation in I.S. Hazardous locations