

Field Certification Certificate of Compliance

Certificate: 2679059

Date Issued: January 2, 2014

Project: 2679059

Issued to: Galvanic Applied Sciences Inc
7000 Fisher Road SE
Calgary, Alberta, T2H 0W3

Attention: Mr. Dennis Hnidan

*The products listed below are eligible to bear CSA Field Certification Labels,
bearing the CSA Mark shown*



Field Certification

Issued by: Larry DeWald



PRODUCTS

Part A

CLASS – 2258-02: PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS – 2258-82: PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards.

Class I, Division 2, Groups C and D, Temperature Code T3, Type Z Purge

Acid Gas H₂S Analyzer, Model: 962-AGX

Electrical Rating: 100 - 240 V, 50 / 60 Hz, 800 W, 1 Ph

CSA Field Certification Labels issued: serial number FC 240283.

Part B

CLASS – 2258-02: PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS – 2258-82: PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards.

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Class I, Division 2, Groups C and D, Temperature Code T3, Type Z Purge
Air Demand Analyzer, Model: 943-TGX
Electrical Rating: 100 - 240 V, 50 / 60 Hz, 800 W, 1 Ph

CSA Field Certification Labels issued: serial number FC 240284.

APPLICABLE REQUIREMENTS

The specific products described in this report were evaluated against:

- | | | |
|---|---|--|
| CSA Standard C22.1-12 | - | Canadian Electrical Code Part I. |
| CSA Standard C22.2 No. 0-10 | - | General Requirements - Canadian Electrical Code Part II. |
| CSA Standard C22.2 No. 142-M1987 | - | Process Control Equipment. |
| CSA Standard C22.2 No. 157-92 | - | Intrinsically Safe and Non-Incendive Electrical Equipment for Use in Hazardous Locations. |
| CSA Standard C22.2 No. 213-M1987 | - | Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations. |
| LTR No. E-010-2005 | - | Purged and Pressurized Enclosures for Use in Class I, Division 1 or 2 Hazardous Locations |
| NFPA 70 - 2014 | - | National Electrical Code |
| NFPA 496 - 2008 | - | Purged and pressurized Enclosures for Electrical Equipment. |
| ANSI/UL 508 – 17 th Ed. (2013) | - | Industrial Control Equipment. |
| ANSI/ISA-12.12.01-2013 | - | Nonincendive Electrical Equipment for Use in Class I and II, Division 2, Class III, Division 1 and 2 Hazardous (Classified) Locations. |
| UL 913 – 8 th Ed. (2013) | - | Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1 Hazardous (Classified) Locations. |

MARKINGS

- (1) Submitter's name
- (2) Model designation
- (3) Complete electrical rating
- (4) Serial number traceable to month and year of manufacture
- (5) Hazardous Location designations
- (6) Temperature code

The following additional markings:

- (7) **WARNING:** Substitution of components may impair suitability for Class I, Division 2.
Do not connect or remove the keypad unless area is known to be non-hazardous.
Do not connect or remove a device from the front panel connector unless area is known to be non-hazardous.
- (8) **WARNING: PRESSURIZED ENCLOSURE:** This Pressurized Enclosure shall not be opened even when all the devices within have been de-energized, unless the area is known to be free of flammable materials.

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Suitable for use in a Class I, Division 2 Hazardous Locations, Type Z Purge. Power must not be restored after enclosure has been opened until enclosure has been purged for 17 Minutes, at a flow rate of 1.3 cu ft /min

- (9) WARNING: The safety of this equipment relies on the provision of proper purging and pressurising when used in Hazardous locations. It must not be put into use without "SPECIAL PERMISSION" from the inspection authority having jurisdiction.
- (10) WARNING: HOT SURFACES: Internal surface temperatures may reach 216°C. Enclosure shall not be opened unless area is known to be non-hazardous, or all devices within the enclosure have been de-energised for a period of five (5) minutes.
- (11) WARNING: Substitution of components may impair intrinsic safety.
- (12) I/S terminal box is marked 'Containing Intrinsically Safe Circuits'.
- (13) Sealing fittings are marked 'Factory Sealed'.
- (14) Warning: This Equipment is for Indoor Use Only.

Note: If the products are to be installed in French speaking areas, markings in both English and French languages must be provided by the manufacturer.

Method of marking

An adhesive backed plastic nameplate is affixed to the unit as per the manufacturer's certified product.