



CSA  
Group

# Field Certification Certificate of Compliance

**Certificate:** 70188188

**Master Contract:** N/A

**Project:** 70188188

**Date Issued:** July 12, 2018

**Issued to:** Galvanic Applied Sciences  
7000 Fisher Road SE  
Calgary, AB, T2H 0W3  
CANADA

**Sales Order:** QI-0151820

**Attention:** Rex Peters

*The products listed below are eligible to bear CSA Field Certification Labels, bearing the CSA Mark shown with adjacent indicators 'C' and 'US'.*



**Issued by:** Larry DeWald

## PRODUCTS

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

CLASS – 2258-02: PROCESS CONTROL EQUIPMENT – For Hazardous Locations – Certified to U.S. Standards

**CSA Field Certification Labels issued: serial number FC 273922**

Class I, Division 2, Groups B, C and D, Temperature Code T3

Tytronics Analyzer System, Model: FPA4100D2 4100UV4 CABINET

Electrical Rating: 120 Vac, 50/60 Hz, 100 W, 1 Ph

## APPLICABLE REQUIREMENTS

- |                                |   |  |
|--------------------------------|---|--|
| CSA Standard C22.2 No. 0-10    | - | General Requirements - Canadian Electrical Code Part II.   |
| CAN/CSA C22.2 No. 61010-1 - 12 | - | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements                   |
| CSA C22.2 No. 213-17           | - | Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations. |



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UL 61010-1, 3 <sup>rd</sup> Edition	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements
UL 121201-1, 9th Edition	-	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations.

### MARKINGS

- Submitter's name
- Model designation
- Complete electrical rating
- Serial number traceable to month and year of manufacture
- Hazardous Location designations
- Temperature code

The following additional markings on cabinet:

- WARNING: EXPLOSION HAZARD – DO NOT DISCONNECT WHILE CIRCUIT IS LIVE UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS.
- AVERTISSEMENT: RISQUE D'EXPLOSION – NE PAS DÉBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, À MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX.
- SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2
- LA SUBSTITUTION DE COMPOSANTS PEUT RENDRE CE MATÉRIEL INACCEPTABLE POUR LES EMPLACEMENTS DE CLASSE I, DIVISION 2

The following additional markings on analyzer:

- WARNING: EXPLOSION HAZARD – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2
- AVERTISSEMENT: RISQUE D'EXPLOSION – LA SUBSTITUTION DE COMPOSANTS PEUT RENDRE CE MATÉRIEL INACCEPTABLE POUR LES EMPLACEMENTS DE CLASSE I, DIVISION 2
- WARNING: DO NOT OPEN WHEN AN EXPLOSIVE (HAZARDOUS) ATMOSPHERE IS PRESENT  
POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS
- AVERTISSEMENT: NON OUVERT QUAND UNE ATMOSPHERE EXPLOSIVE (DANGEREUSE) EST PRESENTE  
DANGER DE CHARGE ELECTROSTATIQUE POTENTIEL – VOIR LES INSTRUCTIONS
- WARNING: ULTRA VIOLET RADIATION MAY BE PRESENT. EYE PROTECTION MUST BE WORN WHEN ENCLOSURE IS OPEN  
LAMP BLOCK AND DETECTOR BLOCK SURFACE MAY BE 60°C
- AVERTISSEMENT: UN RAYONNEMENT ULTRA VIOLET PEUT ETRE PRESENT. UNE PROTECTION OCULAIRE DOIT ETRE PORTEE LORSQUE L'ENCEINTE EST OUVERTE  
LE BLOC DE LAMPE ET LA SURFACE DU BLOC DETECTEUR PEUVENT ETRE A 60°C
- WARNING: ULTRA VIOLET RADIATION MAY BE PRESENT. EYE PROTECTION MUST BE WORN WHEN ENCLOSURE IS OPEN  
LAMP BLOCK AND DETECTOR BLOCK SURFACE MAY EXCEED 80°C AT AN ELEVATED TEMPERATURE



# Descriptive Report and Test Results

**MASTER CONTRACT:** N/A  
**REPORT:** 70188188  
**PROJECT:** 70188188

**Edition 1:** July 12, 2018; Project 70188188 - Edmonton  
Issued by Larry DeWald

Contents: Certificate of Compliance - Page 1 to 3  
Description and Tests - Pages 1 to 8

Site visit date: 2018-06-20

Location of Examination: Galvanic Applied Sciences Inc.  
7000 Fisher Road SE  
Calgary, AB

## PRODUCTS

CLASS – 2258-02: PROCESS CONTROL EQUIPMENT – For Hazardous Locations  
CLASS – 2258-02: PROCESS CONTROL EQUIPMENT – For Hazardous Locations – Certified to U.S.  
Standards

Class I, Division 2, Groups B, C and D, Temperature Code T3  
Tytronics Analyzer System, Model: FPA4100D2 4100UV4 CABINET  
Electrical Rating: 120 Vac, 50/60 Hz, 100 W, 1 Ph

Serial Number  
1820FPA013

CSA c/us Label Number  
FC 273922

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- |                                     |   |  |
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