



# Certificate of Compliance

**Certificate:** 70030493

**Master Contract:** 167534

**Project:** 70221629

**Date Issued:** 2019-05-06

**Issued To:** MSA - The Safety Company  
1000 Cranberry Woods Dr  
Cranberry Township, Pennsylvania, 16066-5296  
United States

**Attention:** Craig Gestler

*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.*

*Laura Li*  
**Issued by:** Laura Li



## **PRODUCTS**

CLASS - C482801 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments-For Hazardous Locations

CLASS - C482881 - SIGNAL APPLIANCES-Combustible Gas Detection Instruments For Hazardous Location-Certified to U.S. Standards

### **Class I, Division 1, Groups A, B, C and D; T4**

Combustible gas detector, model Altair5X PID, portable, battery operated, intrinsically safe when used with rechargeable Lithium-Ion battery pack p/n 10114839. Ambient temperature range  $-20^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$ .

## **APPLICABLE REQUIREMENTS**



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CSA C22.2 No. 0-10	General Requirements – Canadian Electrical Code, Part II – Tenth Edition
CSA C22.2 No. 152-M1984	Combustible Gas Detection Instruments – Second Edition
CSA C22.2 No. 157-92	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations – Third Edition
UL 913 5 <sup>th</sup> Ed.	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations
ANSI/ISA–12.13.01–2000	Performance Requirements for Combustible Gas Detectors

## **MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings appear on the certified devices. Main marking nameplate is CSA Accepted adhesive nameplate material by Zebra Technologies 3 mil thick imprintable gloss white polyester Z – Ultimate 3000T with pressure sensitive 3000 adhesive using 5100 ribbon on a Zebra printer.

- Manufacturer's name: "MSA", or CSA Master Contract Number "167534", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model number: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
- The CSA Mark with or without "C" and "US" indicators, as shown on the Certificate of Conformity.
- Hazardous Location designation: As specified in the PRODUCTS section, above (may be abbreviated).
- Temperature code: As specified in the PRODUCTS section, above.
- The following words:
  - "Exia".
  - "INTRINSICALLY SAFE" and "SÉCURITÉ INTRINSÈQUE";
  - "C22.2 No. 152" and "ISA 12.13.01"



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- “WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY” and “AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE”
- “CAUTION: READ AND UNDERSTAND MANUAL BEFORE OPERATION” and “ATTENTION: LIRE ET COMPRENDRE MANUEL AVANT FONCTIONNEMENT”
- “WARNING: USE ONLY BATTERY PACK P/N 10114839” and “ATTENTION: UTILISEZ UNIQUEMENT BATTERIE P/N 10114839”
- “WARNING: BATTERIES MUST ONLY BE CHANGED OR CHARGED IN AN AREA KNOWN TO BE NONHAZARDOUS.” and “AVERTISSEMENT: NE CHANGER OU CHARGER LES BATTERIES QUE DANS DES EMPLACEMENTS DESIGNES NON DANGEREUX.”



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70221629	2019-05-06	Evaluation to update Report 70030493 (last update 70123411) to update firmware to Version 5.09.
000070121991	2017-06-29	Update of CSA report 70030493 to revise descriptive documents and review and verify previous updates for third party Mocon-Baseline PID sensors, remove unnecessary drawings, update related drawings.
000070123411	2017-03-28	Update to report 70030493 to make the foam and coating optional in the construction of the LCD display assembly.