



# Certificate of Compliance

**Certificate:** 1719689

**Master Contract:** 167534

**Project:** 70118832

**Date Issued:** 2017-02-16

**Issued to:** MSA - The Safety Company  
1000 Cranberry Woods Dr  
Cranberry Township, Pennsylvania 16066-5296  
USA

**Attention:** Warren Bennett

*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 – 4828 02** - SIGNAL APPLIANCES-Toxic Gas Detection Instruments - For Hazardous Locations

Ex ia IIC T4:

Class I, Div.1, Groups A, B, C and D; Class II, Div.1, Group G:

Toxic gas detector, Model Altair and Altair O2, portable, battery operated, intrinsically safe when used with one 3.6 V Lithium battery cell, Part No. XL-055F, manufactured by XENO, Part No. LST17330, manufactured by SAFT or Part No. ER17335, manufactured by EEMB. Tamb. –40 Deg. C to +50 Deg. C. Temperature Code T4.

Toxic gas detector, Model Altair Pro, Altair Pro O2 and Altair Pro-R O2, portable, battery operated, Intrinsically safe when used with one 3.2 V Photo Lithium battery cell, Manufactured by Varta CR2 6206 or Varta (power one) CR2, CR15H270, 6206 or Panasonic CR-2PA/1B or Energizer CR2 EL1CR2BP. Tamb. –40 Deg. C to +50 Deg. C. Temperature Code T4.



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**CLASS – 4828 82 - SIGNAL APPLIANCES-Toxic Gas Detection Instruments-For Hazardous Locations.**  
Certified to U.S. Standards

AEx ia IIC T4:  
Class I, Div.1, Groups A, B, C and D; Class II, Div.1, Group G:

Toxic gas detector, Model Altair and Altair O2, portable, battery operated, intrinsically safe when used with one 3.6 V Lithium battery cell, Part No. XL-055F, manufactured by XENO, Part No. LST17330, manufactured by SAFT or Part No. ER17335, manufactured by EEMB. Tamb. –40 Deg. C to +50 Deg. C. Temperature Code T4.

Toxic gas detector, Model Altair Pro, Altair Pro O2 and Altair Pro-R O2, portable, battery operated, Intrinsically safe when used with one 3.2 V Photo Lithium battery cell, Manufactured by Varta CR2 6206 or Varta (power one) CR2, CR15H270, 6206 or Panasonic CR-2PA/1B or Energizer CR2 EL1CR2BP. Tamb. –40 Deg. C to +50 Deg C. Temperature Code T4.

#### **APPLICABLE REQUIREMENTS**

- CAN/CSA-C22.2 No. 0-M91 - General Requirements – Canadian Electrical Code, Part II
- CAN/CSA-E60079-0:02 - Electrical apparatus for explosives gas atmospheres Part 0: General requirements.
- CAN/CSA-E60079-11:02 - Electrical apparatus for explosives gas atmospheres Part 11: Intrinsic Safety “i”
- UL 60079-0:02 - Electrical apparatus for explosives gas atmospheres Part 0: General requirements.
- UL 60079-11:02 - Electrical apparatus for explosives gas atmospheres Part 11: Intrinsic Safety “i”
- CAN/CSA-C22.2 No.157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
- C22.2 No 25 – 1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations
- UL 913 - July 31, 2006 - Intrinsically Safe Apparatus and Associated Apparatus For Use in Class I, II and III, Division 1, Hazardous (Classified ) Locations.
- UL 1203, Sept. 15, 2006- Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations-Fourth Edition



## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70118832	2017-02-16	Update to report 1719689 to cover changes In Altair and Altair O2 models based on minor PCB and drawing changes.
70008937	2014-11-06	Update to report 2416827 to cover analysis of the new board layout, added capacitance and documentation.
2538173	2012-06-27	Update to report 1719689 to cover revised construction of models “Altair” per ACR490459 and “Altair Pro” per ACR490462.
2416827	2011-04-21	Update of report to include revised drawings per ACR 490277.
2118696	2009-01-06	Update to change overmould material RTP 2099 EX 118617 B (blk/blk) to RTP 2099 EX 118617 B in any color per ACR# 483278 and 483279. Revised construction per ACR# 483157.
2054905	2008-07-03	Update Report to include revised temperature range -40C to +50C per ACR 483227.
2040129	2008-05-26	Update to include 1 alternate thermoplastic elastomer case overmold material per ACR 483212, H2S sensor p/n change per ACR 483099a and descriptive clarification changes.
1871840	2007-02-27	Addition of new model Altair Pro-R O2 and Group G per ACR#483053.
1792224	2006-06-26	Addition of Model Altair Pro and Altair Pro O2
1719689	2006-01-05	Original Certification