

CERTIFICATE OF COMPLIANCE

Certificate Number R-E190105
Report Reference E190105-2022-03-17
Date 2022-March-22

Issued to: MSA - The Safety Company
1000 Cranberry Woods Dr
Cranberry Township PA 16066 US

**This is to certify that
representative samples of**

Gas and Vapor Detection Equipment Without Performance
Requirements for Use in Hazardous Locations, GAS AND VAPOR
DETECTION EQUIPMENT CLASSIFIED FOR USE IN CLASS I, ZONE 0, 1 AND 2
HAZARDOUS LOCATIONS

See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: See Addendum Page for Standard and title

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Models

USC – Class I, Division 1, Groups A, B, C and D; Class I, Zone 0 AEx da ia IIC Hazardous Locations.

USC, CNC – Class I, Division 1, Groups A, B, C and D; Ex da ia IIC Hazardous Locations.

Gas Detector, Model Altair io4

Standard and title

UL 913- Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations

UL 60079-0- Explosive Atmospheres - Part 0: Equipment - General Requirements

UL 60079-11- EXPLOSIVE ATMOSPHERES - PART 11: EQUIPMENT PROTECTION BY INTRINSIC SAFETY "I"

CSA C22.2 No. 60079-0- Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements

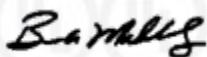
CSA C22.2 No. 60079-11- Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "I"

UL 61010-1- Standard for Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use - Part 1: General Requirements

UL 61010-2-201- Standard For Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use - Part 2-201: Particular Requirements For Control Equipment

CSA C22.2 NO. 61010-1-12- Standard For Safety For Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements

CSA C22.2 NO. 61010-2-201:18- SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE - PART 2-201: PARTICULAR REQUIREMENTS FOR CONTROL EQUIPMENT



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