Certificate of Compliance

Certificate:	80182193	**Master Contract:**	167534
Project:	80222603	**Date Issued:**	2024-10-22

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

Issued by: *Konstantin Rybalko*
Konstantin Rybalko

PRODUCTS

Class 4828 01 SIGNAL APPLIANCES - Combustible Gas Detection Instruments-For Hazardous Locations

Class I, Division 1, Group A, B, C & D T4
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Model Altair io4 Performance, portable intrinsically safe battery operated toxic, oxygen and combustible gas detector for general purpose flammable application. The Altair io4 Performance is designed to detect up to four types of gases: 0 - 100 % LFL combustible, oxygen, and a variety of toxic gases. The device provides visual and audible alarms when predetermined levels are reached. The apparatus can communicate wirelessly.

Designed to operate with Lithium-ion battery of the following types:
UF10345P manufactured by Panasonic;
ICP103450CA or ICP 103450DA manufactured by Molicel;

Temperature range: -20°C ≤ Ta ≤ 55°C
IP68

Conditions of acceptability:

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1. The equipment shall not be charged in Hazardous locations.

2. The software version is 1.3.31.

3. IP ratings do not imply that the equipment will detect gas during and after exposure to those conditions.

Model(s)
Altair io4

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016, AMD1:2018 - Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements

CSA C22.2 No. 60079-0:19 - Explosive atmospheres — Part 0: Equipment -General requirements

CAN/CSA C22.2 No. 60079-1:16 - Explosive atmospheres - Part 1: Equipment protection by flameproof enclosure “d”

CAN/CSA C22.2 No. 60079-11:14 (R2018) - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”

CAN/CSA C22.2 No. 60079-29-1:17 - Second Edition - Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases

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Notes:

Products certified under Class(es) C482801 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

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Supplement to Certificate of Compliance

Certificate: 80182193 **Master Contract:** 167534

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80222603	2024-10-22	Update to CSA report 80182193 for software update.
80182193	2024-05-10	Original Canadian Certification of a Multi-Gas Detector, Model Altair io4 for Class I Division 1 Groups A, B, C & D

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