



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX UL 19.0005** Page 1 of 4 [Certificate history:](#)
Issue 0 (2019-09-30)

Status: **Current** Issue No: 1

Date of Issue: 2019-11-25

Applicant: **MSA - The Safety Company**
1000 Cranberry Woods Dr.
Cranberry Township, PA, 16066
United States of America

Equipment: **Multi-Gas Detector, Model Altair io360**

Optional accessory:

Type of Protection: **Flameproof "da", Intrinsic Safety "ia"**

Marking: Ex da ia IIC T4 Ga
-40°C ≤ Ta ≤ 60°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:

2019-11-25

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **MSA - The Safety Company**
1000 Cranberry Woods Dr.
Cranberry Township, PA, 16066
United States of America

Additional manufacturing locations: **MSA Innovation, LLC**
1000 Cranberry Woods Drive
Cranberry Township, PA 16066
United States of America

MSA Safety Pittsburgh Manufacturing, LLC
1000 Cranberry Woods Drive
Cranberry Township, PA 16066
United States of America

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/UL/ExTR19.0006/01](#)

Quality Assessment Report:

[FR/INE/QAR08.0011/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The device is a transportable (not intended to be carried on a person) battery operated gas detector designed to detect up to 4 gases; combustible (optional), oxygen (optional), and a variety of toxic gases (optional). The apparatus can communicate wirelessly with similar devices for greater local alarm awareness (visual and audible), and it can also share status information wirelessly with MSA remote monitoring tool(s). These other devices and the remote monitoring tools are not covered as part of this certification. Power is provided by three Lithium Thionyl Chloride batteries and contains a separate Lithium Poly-Carbon monofluoride (coin-cell) battery for back-up.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Minor construction and document changes. Addition of an alternate new RF module and oxygen sensor.

Annex:

[Annex to IECEx UL 19.0005 Issue 1.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Powered by three Part No. TL-5920 manufactured by Tadiran or SL-2770 manufactured by Tadiran BATTERIES GMBH.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

Product Markings



Battery Warning Markings

