

Certificate of Conformity

Ex EQUIPMENT

Certificate No.: **ANZEx 20.3008** Current Issue: 0 Date of Issue: 2020-08-20

Applicant: **MSA Innovation, LLC**
1000 Cranberry Woods Drive
Cranberry Township PA 16066
USA

Equipment: Altair 4XR Multi-gas Detector

Type of Explosion Protection: Flameproof "da", Intrinsic safety "ia"

Explosion Protection Marking: With XCell Ex Sensor
Ex da ia IIC T4 Ga
Ex ia I Ma
Ta = -40°C to +60°C

Without XCell Ex Sensor

Ex ia IIC T4 Ga
Ex ia I Ma
Ta = -40°C to +60°C

*This certificate is granted subject to the conditions as set out in
Standards Australia/Standards New Zealand Miscellaneous Publication **MP87.1***

Signed for and on behalf of issuing body



Name & Position

Ujen Singh – Quality and Certification Manager

This certificate is not transferable and remains the property of the issuing body.

The status of this certificate can be confirmed through the database located at www.anzex.com.au

Certificate issued by:

TestSafe Australia
919 Londonderry Road, Londonderry NSW 2753 Australia

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Manufacturer: MSA – The Safety Company
1000 Cranberry Woods Drive
Cranberry Township PA 16066
USA

Additional Manufacturing Location(s): None.

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 Ed 6	Explosive atmospheres Part 0: Equipment—General requirements
IEC 60079-1:2014 Ed 7	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11:2011 Ed 6	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26:2014 Ed 3	Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga

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

TEST & ASSESSMENT REPORTS:

The equipment listed has successfully met the examination and test requirements as recorded in:

Test Report Nos. & Issuing Bodies associated with all issues of the certificate: GB/SIR/ExTR16.0248/00, GB/SIR/ExTR16.0329/00, GB/SIR/ExTR19.0123/00, GB/SIR/ExTR20.0090/00; SIRA Certification

Quality Assessment Report No. & Issuing Body: FR/INE/QAR08.0011/10; INERIS

File Reference: 2020/005924

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Schedule

Equipment Description:

The MSA ALTAIR® 4XR is a handheld, battery operated, Multi-gas Detector with Bluetooth capabilities that can measure between 1 and 4 gases using a combination of the following MSA XCell® Sensors (IECEX FTZU 09.0023U): one catalytic-bead combustible cell, one oxygen electrochemical cell and one dual toxic electrochemical cell. The enclosure is rectangular in shape, includes an LCD display window, and is manufactured from a non-metallic material with an overmold. There is an external connection that is only used for charging the battery and shall only be connected when located in a non-hazardous location.

Powered by a rechargeable Lithium Ion Polymer Battery Cell, Sony model US503759A8H, rated 3.8 V (nominal), 1400 mAh (nominal). MSA assembly number 10083913.

Electrical Ratings/Parameters

None.

Specific Conditions of Use:

None.

Conditions of Certification:

Conditions of manufacture:

The Manufacturer shall comply with the following:

The ALTAIR 4XR incorporates previously certified sensors. It is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with this device. The manufacturer shall inform Sira of any modifications to the device that may impinge upon the explosion safety design of the ALTAIR 4XR.

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Additional Information:

None.

Manufacturer's Documents associated with this Issue:

Document Number	Pages / Sheets	Document Title	Revision	Date
SK3098-1360	21	Altair 4XR CSA	3	2020-04-08
SK3025-1113	2	Artwork, Label, IEC, Approvals, Altair 4XR	5	2020-07-30