

**New**

# ALTAIR 4

[ More than a Multi-Gas Detector ]

**MSA**

# ALTAIR 4

## [ The Toughest Kid on the Block ]

The ALTAIR 4 is a reliable multi-gas detector that measures O<sub>2</sub>, H<sub>2</sub>S, CO and combustible gas. Besides being one of the most compact multi-gas detectors available, it has an extremely durable rubberized housing and is very easy to use. The ALTAIR 4 is available with the option of MotionAlert – a unique feature in the world of portable gas detection. The detector’s alarm is triggered if the user remains motionless, alerting those nearby.



### ALTAIR 4

The versatile ALTAIR 4 is suitable for many applications in and beyond the following industries:

- Oil & Gas
- Chemicals
- Steel & Iron
- Utilities
- Fire Service
- Waste Water
- Civil Engineering
- Marine
- Contractors
- Various Industrial Applications

### [ MotionAlert ]

ALTAIR 4 has an optional MotionAlert feature in case the user is overcome and requires assistance.

When enabled, MotionAlert will activate a pre-alarm if ALTAIR 4 does not detect motion for 30 sec. If there is no motion detected after a further 10 seconds the detector goes into MotionAlert alarm.

This could prove to be invaluable in potentially life threatening situations.

### [ Robust Design ]

ALTAIR 4 is IP 67 rated and is designed to withstand a 3 m drop test.

The extra thick rubberised housing provides protection from accidental drops. Its tight seal ensures simple yet effective resistance to water and dust ingress. ALTAIR 4 will perform reliably even in the harshest industrial environments.

### [ Easy to Read Display ]

The ALTAIR 4 display is straightforward and extremely easy to read. The large numeric display allows users to view gas concentration, alarm conditions, battery status, set points and peak reading with accuracy and confidence.

### [ Easy to Use ]

With its three large heavy duty buttons information is always easy to find. The buttons are designed so they can be pressed even when the user is wearing gloves.

### [ Long-Life Battery ]

The rechargeable lithium polymer battery provides up to 20 hours of continuous operation and outperforms other battery technologies in extreme environmental conditions.

### [ Bump Check Indicator ]

The ALTAIR 4 allows for a simple bump check, which will be recorded and displayed on the screen as a checkmark for 24 hours.

Either insert the ALTAIR 4 into the QuickCheck or attach the calibration cap to carry out a bump check.

### [ Triple Alarm System ]

The triple alarm system fitted to the ALTAIR 4 effectively cautions the user to any danger.

Super-bright LEDs on the detector's top and bottom ensure alarms are visible from all angles. The ALTAIR 4 also has a confidence safe LED that flashes every 15 seconds to indicate the detector is working properly.

The audible alarm is typically measured at 95 dB at 30 cm and a strong vibrating alarm is also a standard feature.

### [ MSA Link ready ]



The new multi-lingual MSA Link Software helps the user get the most from their ALTAIR 4. With this class-leading software the user can quickly download and analyse the detector datalog. Users can also modify most functions including alarm and expected calibration values, industrial hygiene [STEL, TWA] function and many other operating and set-up parameters. All critical values are protected behind a user selectable password option.

### [ Full Datalogging as Standard ]

A highly comprehensive datalogging facility is standard on ALTAIR 4.

This allows the user to keep a record of day-to-day gas values detected at a configurable time interval along with any other events seen.

### [ Simple Testing ]

The detector's visual, audible and vibrating alarms along with response to a known gas concentration can be checked by a QuickCheck.

To test the ALTAIR 4, simply press the button and place it into the test station. The test results are displayed on the three LEDs.

### [ GALAXY ]

The GALAXY automated calibration and test system is a completely stand alone system that does not require a computer or network interface.

Up to 10 GALAXY modules can be connected together allowing ALTAIR 4 to be simultaneously tested and calibrated. Over 1000 individual test records can be stored on an industry standard flash card. An optional wired connection is also available.



## Technical Specifications

Gas	Range	Resolution
LEL	0–100%	1%
O <sub>2</sub>	0–25 vol.%	0.1 vol.%
CO	0–999 ppm	1 ppm
H <sub>2</sub> S	0–200 ppm	1 ppm



<b>Weight</b>	210 g
<b>Dimensions</b>	112 x 76 x 35 mm [H x W x D]
<b>MotionAlert</b>	Optional
<b>Audible Alarm</b>	>95 dB at 30 cm
<b>Visual Alarm</b>	4 ultra-bright LEDs on top & bottom
<b>Vibrating Alarm</b>	Standard
<b>Housing</b>	Rugged rubberized armor
<b>Display</b>	13,7 x 13,7 mm
<b>Backlight</b>	Adjustable time out
<b>Battery</b>	Rechargeable Li-polymer
<b>Battery Run Time</b>	20 hrs @ room temperature
<b>Charging Time</b>	<4 hrs
<b>Operating Temperature Range</b>	–20 °C to +50 °C
<b>Humidity</b>	15–90% RH non-condensing
<b>Ingress Protection</b>	IP 67
<b>Drop Test</b>	3 metres
<b>Data Log</b>	Standard, 50 hrs minimum
<b>Event Log</b>	Standard, 500 events
<b>Warranty</b>	2 years including battery
<b>Certifications Europe:</b>	Ⓢ ATEX II 2 G EEx ia d IIC T4, Tamb = –20 to 50 °C UL, Class I, Div. 1, Groups A B, C, D, Class II, Div. 1 Groups F & G. T4, Tamb = –20 to 50 °C CSA, Class I, Div. 1, Groups A B, C, D,
<b>Australian &amp; New Zealand:</b>	IEC Ex ia d I/IIC T4, ANZEx ia s I/IIC T4 [Zone 0]

**ALTAIR 4 can be configured for individual requirements. Please contact your MSA representative for ordering details.**

### Your direct contact

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