

# ALTAIR® Maintenance-Free Single-Gas Detector





Innovative CO, H<sub>2</sub>S or O<sub>2</sub> detectors operate for over two years maintenance-free. One-button operation with no sensor or battery changes necessary. Triple alarm system provides visual, audible and standard vibrating alarms. Rubberized armor housing provides extra durability, superior dust and water protection (IP 67), and great RFI performance.

### CO, H<sub>2</sub>S or O<sub>2</sub> Detection. Over two years' service life, maintenance free!



With the ALTAIR Single-Gas Detector, MSA sets a new market standard by offering over two years of maintenance-free performance (depending upon alarm minutes used). These long-life, cost-effective single-gas detectors offer outstanding dust and water protection and feature a distinctive triple alarm system. Two bright LEDs and a piercing audible alarm with a standard vibrating alarm help to ensure that no alarm condition goes unnoticed. Rubberized armor housing and one-button operation provide the durability and ease-of-use you expect from MSA. Units will not deactivate after two years of operation; instead will perform as long as battery capacity and sensor performance allow. A built-in calibration feature enables users to potentially extend the life of the instrument even further. ALTAIR Single-Gas Detectors are part of the MSA STELLAR Series.

- ➔ Factory-calibrated detector with warranted two-year service life (1080 alarm minutes)
- ➔ Maintenance-free; no sensor or battery changes necessary
- ➔ Easy bump check and built-in calibration feature
- ➔ Bump check confirmed with checkmark on instrument LCD, displayed for 24 hours
- ➔ High-capacity battery
- ➔ Event recorder stores 25 latest events automatically in instrument memory
- ➔ Built-in IR communications enables interface FiveStar® Link® Software
- ➔ Built-in gas delivery adapter for gas response tests (No cal cap to lose)
- ➔ Rated to IP67 for dust and water ingress

#### Maintenance-Free Service Life

This factory-calibrated detector provides warranted two-years or 1080 alarm minutes (18 hours) of service life with no maintenance. No sensor or battery change is needed. With its built-in gas delivery adapter, no easy-to-misplace accessories are needed to conduct gas response tests, locking out any hidden replacement costs.

#### Bump Check Made Easy

By confirming "Gas Test" with a single button press, the unit allows for a simple bump check, which will be recorded and displayed on the screen as a checkmark for 24 hours. This checkmark is confirmation of not only an electronic circuit check but also of sensor response. While it is only necessary to do a bump test to ensure proper sensor response, the ALTAIR Single-Gas Detector offers a built-in calibration feature, allowing calibration of your instrument as required in some facilities.

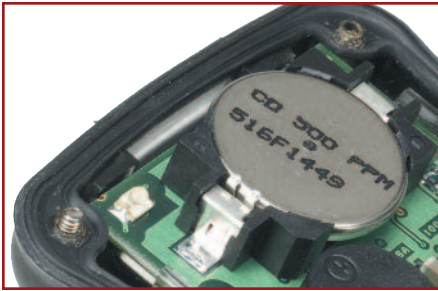
#### Long-Life Battery

The long-life lithium battery offers significantly more capacity than its closest competitor and will far outlast the two minutes of alarm mode per day standard. ALTAIR Single-Gas Detector units will not deactivate after two years of operation but will continue to deliver performance as long as battery capacity and sensor performance allows. No other maintenance-free single-gas detector in its class can beat this performance.



## Sensors

Patented, MSA-built Button™ Toxic Gas Sensors feature stainless steel construction and contain solid electrolyte, virtually eliminating the possibility of sensor leakage. The extremely small and thin sensor profile allows the ALTAIR Single-Gas Detector to deliver high performance in a very small package. These toxic gas sensors provide stability for the service life of the unit. The ALTAIR Single-Gas Detector oxygen version accommodates the industry-standard fast-responding 20 Series oxygen sensor and is UL, cUL, ATEX and Australian standards approved.



## Built-In IR Communication

The ALTAIR Single-Gas Detector will record the 25 latest alarm events automatically, offering a great tool for assessment of alarm conditions; just connect it to your MSA InfraRed adapter using the standard, built-in IR communication. Alarm set points can be adjusted manually prior to the unit's activation, or through the IR link after activation.

## Rugged Clip

The ALTAIR Single-Gas Detector is delivered with a proven suspension clip so it can be worn anywhere in the breathing area; on the helmet, on the belt and many other places. MSA's rugged clip design keeps the unit attached during even the roughest use.



## Easy-To-Read Display

The ALTAIR Single-Gas Detector offers a simple, easy-to-read display. Its large numeric display allows users to count down service life, alarm conditions, set points, peak reading and hours in alarm since activation with accuracy and confidence. The display on O2 versions helps the user to identify the current level as well as its highest and lowest readings at a glance. Users can perform a fresh-air setup and reset the peak reading with the touch of a button.



## Water and Dust Resistance

The ALTAIR Single-Gas Detector is highly water and dust resistant and tested to IP67. This simple yet effective design innovatively utilizes its rubberized armor to seal the unit from water and dust ingress, providing a tight seal and making it exceed the industry-average rating.



## Altair QuickCheck™ Station

The Altair QuickCheck Station is an inexpensive test station for the Altair and Altair Pro family of Gas Detectors.



Available in manual and automatic versions, this station quickly verifies the functionality of the instrument's alarm system and then performs a gas response test (bump check).

## Galaxy® Automated Test System

The Galaxy Automated Test System for the Altair and Altair Pro family of Gas Detectors is a complete calibration and record retention system for your instrument. Options



such as an industry-standard memory card, wired or wireless networking, and receipt printing allow this flexible system to be configured to meet your needs.

## Distinctive Alarm System

A triple alarm system leaves no doubt for the user in an alarm situation. The audio alarm is loud, at an average of 95 dB @ 1 foot and is designed not to be confused with other workplace sounds. It also features an extended frequency range covering a wide sound spectrum for proper usage, even by tone-deaf individuals. The visual alarm features dual, super-bright LED displays located on top of the instrument which can be seen from all angles and when worn inside the pocket. The numeric display shows "LO" or "HI" alarm status. A vibrating alarm comes standard with the unit and emits a pulse when in alarm mode that calls additional attention to the user.

## Durability

The extra-thick rubberized housing is designed to withstand accidental drops and provides resistance to water ingress. Metal screw inserts offer stability over the unit's lifetime. These are just a few of many features recognizable in MSA's durable design. Our focus on reliability, ease-of-use and durability are key design elements of the ALTAIR Single-Gas Detector.

*The unique design of the ALTAIR Single-Gas Detector, combined with its highly competitive price makes it the clear choice when selecting maintenance-free single-gas instruments. No other single-gas detector in its class logs and stores as many alarm events as this state-of-the-art instrument. The ALTAIR Single-Gas Detector is designed and manufactured by MSA, the most trusted name in the safety products industry.*

## Specification

<b>Weight</b>	4.0 oz including clip
<b>Dimensions</b>	3.4" x 2.0" x 1.0"
<b>Gases and Measuring Ranges</b>	
<b>Gas</b>	<b>Range</b>
Oxygen	0-25% by vol
Carbon Monoxide	0-500 ppm
Hydrogen Sulfide	0-100 ppm
<b>Alarms</b>	Average >95 dB @ 30 cm, Ultra - LED's, vibrating alarm standard
<b>Warranty</b>	2 years or 1080 minutes (18 hrs) of alarm under normal conditions
<b>Instrument Life</b>	>2 years at an average of 2 minutes of alarm per day
<b>Operating T Range</b>	-20°C to +50°C
<b>Humidity</b>	10-95% RH non-condensing
<b>Ingress Protection</b>	IP67
<b>Event Logging</b>	25 Latest Events
<b>Certifications</b>	
US and Canada	Class 1, Division 1, Groups A, B, C and D
Europe	ATEX II 2G EEx ia IIC T4 -20°C to +50°C
Australia	Ex ia IIC T4 -20°C to +50°C

## Ordering Information

### Instrument Type - Standard Models

Instrument Type	P/N	1st Alarm	2nd Alarm
Carbon Monoxide (CO)	10092522	25 ppm	100 ppm
Hydrogen Sulfide (H2S)	10092521	10 ppm	15 ppm
Oxygen (O2)	10092523	19.5% Vol	23% Vol

### Instrument Type - Alternate Set Point Models

Instrument Type	P/N	1st Alarm	2nd Alarm
Carbon Monoxide (CO)	10071334	30 ppm	60 ppm
	10071335	35 ppm	100 ppm
	10071336	35 ppm	400 ppm
	10071337	50 ppm	200 ppm
	10071338	100 ppm	300 ppm
Hydrogen Sulfide (H2S)	10071340	10 ppm	20 ppm
	10071361	5 ppm	10 ppm
	10071362	8 ppm	12 ppm
	10071363	7 ppm	14 ppm
Oxygen (O2)	10071364	19.5% Vol	18% Vol

## Accessories and Spare Parts

710882	Cylinder, 60 ppm CO	10041105	Cellphone clip
473180	Cylinder, 300 ppm CO	10041107	Lanyard kit
467897	Cylinder, 40 ppm H2S, RP	710946	FiveStar® Link® with IR (for event log)
711062	Cylinder, 40 ppm H2S, Econo-Cal	10030325	Tubing, 16"
467895	Regulator, 0.25 lpm	10073346	Hardhat clip
10040002	Clip, suspender (standard)	10076704	Automatic ALTAIR QuickCheck Station
10069894	Clip, stainless steel	10076692	Manual ALTAIR QuickCheck Station

**Note:** This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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