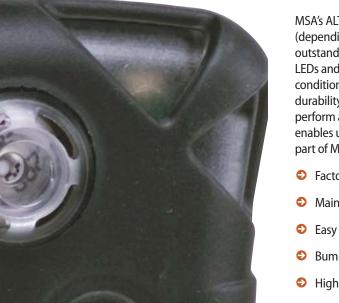# ALTAIR® Maintenance-Free Single-Gas Detector

Innovative CO, H2S, or O2 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, H2S, or O2 detection. Over two years' service life, maintenance free!

MSA's ALTAIR Single-Gas Detector provides over two years of maintenance-free performance (depending upon alarm minutes used). Long life, cost-effective single-gas detectors offer outstanding dust and water protection and feature a distinctive triple alarm system. Two bright LEDs and piercing audible alarm with standard vibrating alarm help to ensure that no alarm condition goes unnoticed. Rubberized armor housing and one-button operation provide durability and ease of use. Units will not deactivate after two years of operation; instead will perform as long as battery capacity and sensor performance allow. Built-in calibration feature enables users to potentially further extend instrument life. ALTAIR Single-Gas Detectors are part of MSA's ALTAIR Detector family of products.

- 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 MSA 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
Factory-calibrated detector provides warranted two-years or 1080 alarm minutes (18 hours) of service life with no maintenance. No sensor or battery changes are needed. Built-in gas delivery adapter means no misplaced accessories when conducting gas response tests, avoiding hidden replacement costs.

Bump Check Made Easy
By confirming **Gas Test** with a single button press, the unit allows for a simple bump check to be recorded and displayed onscreen via 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 perform a bump test to ensure proper sensor response, ALTAIR Single-Gas Detector offers built-in calibration as required in some facilities.

Long-Life Battery
Long-life lithium battery offers significantly more capacity than its closest competitor and far outlasts 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 allow. No other maintenance-free single-gas detector in its class can beat this performance.

Sensors

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

Built-in IR Communication

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

Rugged Clip

ALTAIR Single-Gas Detectors use a proven suspension clip to be worn anywhere in the breathing area: on the helmet, belt, and many other places. MSA's rugged clip design keeps unit attached during even the roughest use.

Easy-To-Read Display

ALTAIR Single-Gas Detectors offer a simple, easy-to-read display. 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. O2 version display helps users to identify current levels as well as highest and lowest readings at a glance. Users can perform fresh air setup and reset peak readings with the touch of a button.

Water and Dust Resistance

ALTAIR Single-Gas Detectors are highly water- and dust-resistant and are tested to IP67. Simple yet effective design uses rubberized armor to seal units from water and dust ingress, providing a tight seal and exceeding the industry-average rating.

ALTAIR QuickCheck® Station

ALTAIR QuickCheck Stations are inexpensive test stations for ALTAIR and ALTAIR Pro Gas Detectors. Available in manual and automatic versions, this test station quickly verifies instrument alarm system functionality and then performs a gas response test (bump check).

Galaxy® Automated Test System

The Galaxy Automated Test System for the ALTAIR and ALTAIR Pro Gas Detectors is a complete instrument calibration and record retention system. Options such as industry-standard memory card, wired networking, and receipt printing allow this flexible system to be configured to meet your needs.

Distinctive Alarm System

Triple alarm system leaves no doubt for users in alarm situations. Audible alarm sounds at an average of 95 dB@1 foot and is designed to be distinctive among other workplace sounds. Alarm's extended frequency range covers a wide sound spectrum even when used by tone-deaf individuals. Visual alarm features dual, super-bright LEDs on unit's top and are visible from all angles and when worn inside the pocket. Numeric display shows LO or HI alarm status. Vibrating alarm comes standard and emits a pulse when in alarm mode that calls additional attention to users.

Durability

Extra-thick rubberized housing withstands accidental drops and provides resistance to water ingress. Metal screw inserts offer stability over the unit's lifetime. MSA's focus on reliability, ease of use, and durability are key design elements of ALTAIR Single-Gas Detectors.

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

Specification

Weight	4.0 oz including clip
Dimensions	3.4" x 2.0" x 1.0"

Gases and Measuring Ranges

Gas	*Range*
Oxygen	0-25% by vol
Carbon Monoxide	0-500 ppm
Hydrogen Sulfide	0-100 ppm

Alarms	Average >95 dB @ 30 cm, Ultra - LEDs, vibrating alarm standard
Warranty	2 years or 1080 minutes (18 hrs) of alarm under normal conditions
Instrument Life	>2 years at an average of 2 minutes of alarm per day
Operating T Range	-20ºC to +50ºC
Humidity	10-95% RH non-condensing
Ingress Protection	IP67
Event Logging	25 latest events
Certifications	
US and Canada	Class 1, Division 1, Groups A, B, C and D
Europe	ATEX II 2G EEx ia IIC T4 -20ºC to +50ºC
Australia	Ex ia IIC T4 -20ºC to +50ºC

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	MSA Link Software with IR (for event log)
711062	Cylinder, 40 ppm H2S, Econo-Cal® Gas		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

Authorized Distributor:
GasDetectorsUSA.com
Houston, TX USA
832-615-3588
sales@GasDetectorsUSA.com

MSA
The Safety Company