Ribble Enviro

…everything gas detection

Data Sheet

ALTAIR® Single-Gas Detector

Cost-effective, maintenance-free, single-gas detector with a superior lifespan

ALTAIR® Single-Gas Detector

The ALTAIR ® Single-Gas Detector is a reliable high-performance single-gas detector with sensor options of H2S , CO or O2. There is no requirement for maintenance over its lifetime making the ALTAIR an extremely economical instrument.

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.

Easy To Read Display

The ALTAIR incorporates a simple, easy to read display. The large numeric display allows users to count down instrument life, alarm conditions, set points, peak reading and hours in alarm since activation with accuracy and confidence. The O2 version can display the current level as well as its highest and lowest readings at a glance.

Bump Check Indicator

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. With its built-in gas delivery adapter there are no additional accessories required to carry out a bump check.

Robust Design

The ALTAIR is IP67 rated and is designed to withstand a 3 m drop test. The extra thick rubberised housing provides protection from accidental drops and helps provide a tight seal, offering simple yet effective resistance to water and dust ingress. Metal screw inserts offer a high level of structural stability over the unit's lifetime.

Simple Testing

The detector's visual, audible and vibrating alarms along with response to a known gas concentration can be check ed by ALTAIR QuickCheck. To test the ALTAIR, simply press the button and place it into the test station.

GALAXY GX2 Automated Test System

The GALAXY GX2 Automated Test System for the ALTAIR single gas detectors is a complete instrument bumptest, 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.

More Galaxy GX2 Accessories and Calibration Gas available. Check on msasafety.com or reach out to MSA Customer Service.

Reliable Clip

With the proven suspension clip fitted as standard the ALTAIR and can be worn securely anywhere. This rugged clip design keeps the unit attached during even the roughest use.

Distinctive Alarm System

The superior triple alarm system fitted to the ALTAIR effectively alerts the wearer to any danger. It consists of a distinctive audible alarm of 95 dB at 30 cm, super-bright LEDs visible from a 320o angle and a strong vibration alarm. The numeric display also shows "LO" or "HI" alarm status.

Event Log

The ALTAIR will record the 25 latest alarm events automatically, offering the ability to assess recent alarm conditions. 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.

Patented Sensors

Patented, MSA Button toxic gas sensors are fitted to both the CO and H2S ALTAIR, while the O2 version accommodates a fast responding 20 series sensor.

- Highly visible LEDs
- Sensor options for H2S, CO and O2
- Audible alarm of 95 dB at 30 cm
- Simple bump check with checkmark for 24 hours
- Easy to read display
- Strong vibration alarm
- Robust, easy to grip design

Technical Specifications

Weight	113 g
Dimensions	8.6 cm H x 5.1 cm W x 2.5 cm D
Alarms	As Standard: 95 dB at 30 cm on average, Ultra bright LEDs, Vibrating Alarm
Warranty	2 years after activation, maximum of 18 hours alarm time when activated within 6 months after date of manufacture under normal conditions

Instrument Life	>2 years at an average of 2 minutes of alarm per day
Operating Range	−20°C to +50°C
Humidity	10 – 95% RH non-condensing
Ingress Protection	IP67
Event Logging	25 Latest events
Certifications Europe	ATEX II 2G Ex ia IIC T4 Gb −20°C to +50 °C

Ordering Information

Detector	1st Alarm	2nd Alarm
Carbon Monoxide [CO] 0–500 ppm		
10092522	25 ppm	100 ppm
10071334	30 ppm	60 ppm
10091171	30 ppm	200 ppm
10071335	35 ppm	100 ppm
10071336	35 ppm	400 ppm
10071337	50 ppm	200 ppm
10071338	100 ppm	300 ppm
Hydrogen Sulphide [H2S] 0 –100 ppm		
10092521	10 ppm	15 ppm
10071340	10 ppm	20 ppm
10071361	5 ppm	10 ppm
10071362	8 ppm	12 ppm
10071363	7 ppm	14 ppm
Oxygen [O2] 0 –25% Vol		
10071364	18%	19.5%%
10092523	19.5%	23.0%
10091172	19.5%	22%
Accessories		
10040002	Clip, Suspender style, black	
10069894	Clip, Suspender Style, Stainless Steel	
10041107	Lanyard kit	
10041105	Cell Phone Belt Clip	
710946	Datadocking FiveStar Link with IR-Jeteye	

Accessories	
467895	Regulator, 0.25 lpm
711175	Regulator, 0.25 lpm, Combination
1003025	Tubing, 40 cm (16")
GALAXY GX2 System Test Stand	
1 VALVE (for use with 1 calibration gas cylinder)	
10128663	UK plus, No-charging
10128653	EU plug, No-charging
4 VALVE (for use with 1-4 calibration gas cylinders)	
10128662	UK plus, No-charging
10128652	EU plug, No-charging
Galaxy GX2 Accessories	
10105756	Electronic cylinder holder
10125135	Non-electronic cylinder holder

MSA operates in over 40 countries worldwide. To find an MSA office near you, please visit *MSAsafety.com/offices*.