Now with a wider range of exotic sensors



ALTAIR PRO Single-Gas Detector

Durable. Compact. Intuitive.

MSA
The Safety Company

ALTAIR PRO

Big on features, small in size

The MSA ALTAIR PRO is a reliable high-performance single-gas detector with a wide choice of sensors.





ALTAIR PRO

With a wide choice of sensors ALTAIR PRO is suitable for applications including the following Industries:

- Oil & Gas
- Chemicals
- Steel & Iron
- Utilities
- Fire Service
- Contractors
- Various Industrial Applications

State of the Art Sensors

ALTAIR PRO features a broad range of field proven, fast-responding 20 series sensors.
Choose from O_2, CO, H_2S, NH_3, Cl_2, ClO_2, HCN, NO_2, PH_3 and SO_2 configurations.
All sensors are simple to fit reducing instrument down time.

Robust Design

ALTAIR PRO 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. Metal screw inserts offer a high level of structural stability over the unit's lifetime.

Easy to Read Display

The ALTAIR PRO 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.

Single Button Operation

Simple and straightforward operation is one of the key features of ALTAIR PRO. True single-button operation offers a quick and easy access to all functions of the instrument.

Bump Check Indicator

By confirming "Gas Test" with a single button press, ALTAIR PRO allows for a simple bump check, which will be recorded and displayed on the screen as a checkmark for 24 hours.



Clip Options

With the rugged suspension clip fitted as standard the ALTAIR PRO can be securely attached to clothing. Three other clips are available as options; the cell phone clip, the lanyard clip and the hardhat clip.

Distinctive Alarm System

The superior triple alarm system consists of a distinctive audible alarm of 95 dB at 30 cm, superbright LEDs visible from a 320° angle and a strong vibration alarm. The High alarm sounds distinctly different from the Low, TWA and STEL alarm and this difference is also repeated for the visual alarm. The numeric display also shows "LO" or "HI" alarm status.

Full Datalogging As Standard

A highly comprehensive datalogging facility is standard on ALTAIR PRO. The 50 latest events, along with the peak gas reading (or low O_2 reading) are recorded in the session log every 3 minutes. The multi-lingual MSA Link Software is used to transfer the data to a PC via the ALTAIR PRO's Infra-Red link. Here the data can be assessed quickly and easily.

Replaceable Battery

A compact yet highly efficient CR2 battery ensures the ALTAIR PRO will run for over a year over a standard working week. These batteries are commercially available and simple to replace. The battery status is continually displayed on the instrument.

Simple Testing

The detector's visual, audible and vibrating alarms along with response to a known gas concentration can be checked by ALTAIR QuickCheck.
To test the ALTAIR PRO, simply press the button and place it into the test station. The test results are displayed on the three LEDs.
ALTAIR QuickCheck will be available either with automatic gas delivery system or manual regulator.



GALAXY

The GALAXY automated record keeping and calibration 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 PRO 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.



Ordering Information

Instrument Type	Ordering No.	Range	Resolution	Low Alarm	High Alarm	STEL	TWA
Oxygen (O_2)	10074137	0–25% by vol	0.10 Vol.%	19.50%	23.00%	–	–
Oxygen (O_2)	10076732	0–25% by vol	0.10 Vol.%	19.50%	18.00%	–	–
Carbon Monoxide (CO)	10074135	0–1500 ppm	1.00 ppm	25 ppm	100 ppm	100 ppm	25 ppm
Carbon Monoxide (CO) Fire	10076723	0–1500 ppm	1.00 ppm	25 ppm	100 ppm	100 ppm	25 ppm
Carbon Monoxide (CO) Steel	10076724	0–1500 ppm	1.00 ppm	75 ppm	200 ppm	200 ppm	75 ppm
Carbon Monoxide (CO)	10076718	0–1500 ppm	1.00 ppm	30 ppm	60 ppm	60 ppm	30 ppm
Hydrogen Sulphide (H_2S)	10074136	0–200 ppm	1.00 ppm	10 ppm	15 ppm	15 ppm	10 ppm
Hydrogen Sulphide (H_2S)	10076725	0–200 ppm	1.00 ppm	5 ppm	10 ppm	10 ppm	5 ppm
Hydrogen Sulphide (H_2S)	10076726	0–200 ppm	1.00 ppm	7 ppm	14 ppm	14 ppm	7 ppm
Ammonia (NH_3)	10076730	0–100 ppm	1.00 ppm	25 ppm	50 ppm	35 ppm	25 ppm
Chlorine (Cl_2)	10076716	0–20 ppm	0.10 ppm	0.5 ppm	1.0 ppm	1.0 ppm	0.5 ppm
Chlorine Dioxide (ClO_2)	10076717	0–1 ppm	0.02 ppm	0.1 ppm	0.3 ppm	0.3 ppm	0.1 ppm
Hydrogen Cyanide (HCN)	10076729	0–30 ppm	0.50 ppm	4.7 ppm	10 ppm	10 ppm	4.7 ppm
Nitrogen Dioxide (NO_2)	10076731	0–20 ppm	0.10 ppm	2.0 ppm	5.0 ppm	5.0 ppm	2.0 ppm
Phosphine (PH_3)	10076735	0–5 ppm	0.05 ppm	0.3 ppm	1.0 ppm	1.0 ppm	0.3 ppm
Sulphur Dioxide (SO_2)	10076736	0–20 ppm	0.10 ppm	2.0 ppm	5.0 ppm	5.0 ppm	2.0 ppm

All ALTAIR PRO are fitted with suspension clip and battery as standard. Other alarm configurations are available on request.

ALTAIR PRO GALAXY kits:	Ordering No.
Basic System (incl. Power Supply)	
Basic System	10078261
Standard System (incl. Power Supply & Regulator)	
Standard System	10078262
Standard System + Cylinder Holder	10078263
Smart System (incl. Power Supply, Regulator & SD Card)	
Smart System	10078264
Smart System + Cylinder Holder	10078265
Portable System (incl. Battery Pack & Regulator)	
Portable System	10078266
Portable System + SD Card + Cylinder Holder	10078267
Network Kit (incl. Regulator, Wired Ethernet Access)	
Wired Network System	10078268

ALTAIR QuickCheck Versions:		Ordering No.
Manual[1)]	O_2, CO, H_2S, SO_2, NO_2	10076693
Automatic	O_2, CO, H_2S, SO_2, NO_2	10076705
Manual[1)]	Cl_2, ClO_2	10076702
Automatic	Cl_2, ClO_2	10076714
Manual[1)]	NH_3	10076696
Automatic	NH_3	10076708
Manual[1)]	HCN	10076699
Automatic	HCN	10076711

[1)]For Manual Versions of the ALTAIR QuickCheck, a Manual Regulator (Ordering No. 478359) and Regulator Tubing (Ordering No. 10077384) must be purchased separately.

Accessories:	Ordering No.
Clip, stainless steel	10069894
Cellphone clip	10041105
Lanyard kit	10041107
Hardhat clip	10073346
JetEye IR adapter with USB connector	10082834
MSA Link Software CD	10088099
Tubing, 16" (O_2, CO, H_2S, HCN, SO_2, NO_2, PH_3)	10030325
Tubing, 16" Tygon-lined (NH_3, Cl_2, ClO_2)	10080534

Technical Specifications

Weight (total)	112 g including clip
Dimensions	81 x 51 x 23 mm (H x W x D)
Alarms	As Standard: 95 dB at 30 cm on average, Ultra bright LEDs, Vibrating Alarm
Warranty	2 years (excluding battery)
Battery Life	Minimum 12 months under 8 hours per day operation over a working week
Operating Range	–20 °C to +50 °C
Humidity	10–95% RH non-condensing
Ingress Protection	IP 67
Certifications	⟨Ex⟩ ATEX II 2G EEx ia IIC T4 –20 °C to +50 °C

Your direct contact

MSA EUROPE Regional Head Offices & Great Britain (www.msa-europe.com)

Northern Europe
MSA Nederland B.V., Hoorn
Phone +31 (229) 25 03 03
E-Mail info@msaned.nl

Southern Europe
MSA Italiana S.p.A., Rozzano
Phone +39 (02) 89 217-1
E-Mail info-italy@msa-europe.com

Central Europe
MSA AUER GmbH, Berlin
Phone +49 (30) 68 86-0
E-Mail info@auer.de

International Sales
MSA EUROPE, Berlin
Phone +49 (30) 68 86-555
E-Mail contact@msa-europe.com

Eastern Europe
MSA Safety Sp. z o.o., Warsaw
Phone +48 (22) 711-50 33
E-Mail mee@msa-europe.com

Great Britain
MSA (Britain) Limited, Bellshill
Phone +44 (16 98) 57 33 57
E-Mail info@msabritain.co.uk

MSA The Safety Company

Subject to change without notice

ID 08-528.2 GB/03/01.10/pdf