ALTAIR PRO Single-Gas Detector

[Durable. Compact. Intuitive. **]**

ALTAIR PRO

[Big on features, small in size]

The new MSA ALTAIR PRO is a reliable high-performance single-gas detector with a choice of oxygen or toxic sensors.

Highly visible LEDs

Wide range of sensors

Audible alarm of 95 dB at 30 cm

Simple bump check with check-mark for 24 hours

Easy to read display shows gas concentration

Strong vibrating alarm

Robust, easy to grip design

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. With one button ALTAIR PRO can easily:

- Turn on and off
- Activate backlight
- Activate I-R link
- Perform a fresh air set-up
- Display information, e.g. Software version and alarm settings
- Reset peak reading display
- Perform bump-check

[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.

[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. With its built-in gas delivery adaptor there is no need for additional accessories to carry out a bump check.

[Distinctive Alarm System]

The superior triple alarm system consists of a distinctive audible alarm of 95 dB at 30 cm, super-bright 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.

[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.

[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. MSA's popular Fivestar link 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. Combined, these tools provide a great way to assess alarm conditions, confirm bump tests or calibration and verify user exposure.

[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.

[Technical Specifications]

Gas	Range	Resolution
Oxygen	0–25% by vol	0.10 Vol.%
Carbon Monoxide	0–1500 ppm	1.00 ppm
Hydrogen Sulphide	0–200 ppm	1.00 ppm
Ammonia	0–100 ppm	1.00 ppm
Chlorine	0–20 ppm	0.10 ppm
Chlorine Dioxide	0–1 ppm	0.02 ppm
Hydrogen Cyanide	0–30 ppm	0.50 ppm
Nitrogen Dioxide	0–20 ppm	0.10 ppm
Phosphine	0–5 ppm	0.05 ppm
Sulphur Dioxide	0–20 ppm	0.10 ppm

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 Europe	⟨Ex⟩ ATEX II 2G EEx ia IIC T4 −20 °C to +50 °C

[Ordering Information]

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

Accessories		Ordering No.
ALTAIR QuickCheck Versions:		
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

Accessories	Ordering No.
Clip, stainless steel	10069894
Cellphone clip	10041105
Lanyard kit	10041107
Hardhat clip	10073346
Datadocking FiveStar Link with IR-Jeteye	710946
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

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

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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