

Now with a
wider range of
exotic sensors



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.



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 O₂, CO, H₂S, NH₃, Cl₂, ClO₂, HCN, NO₂, PH₃ and SO₂ 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 data-logging facility is standard on ALTAIR PRO. The 50 latest events, along with the peak gas reading [or low O₂ 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  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 ₂ S] | 10074136 | 10 ppm | 15 ppm | 15 ppm | 10 ppm |
| Hydrogen Sulphide [H ₂ S] | 10076725 | 5 ppm | 10 ppm | 10 ppm | 5 ppm |
| Hydrogen Sulphide [H ₂ S] | 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 ₂ S, SO ₂ , NO ₂ | 10076693 |
| Automatic O ₂ , CO, H ₂ S, 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 |

¹For 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 |
| Datadocking FiveStar Link with IR-Jeteye | 710946 |
| Tubing, 16" [O ₂ , CO, H ₂ S, HCN, SO ₂ , NO ₂ , PH ₃] | 10030325 |
| Tubing, 16" Tygon-lined [NH ₃ , Cl ₂ , ClO ₂] | 10080534 |

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