# ALTAIR® Family **Gas Detectors**

A Tough Bunch

MSA
*The Safety Company*

**ALTAIR:**
Maintenance-free Single Gas Detector

**ALTAIR 2X:**
Single Gas & Two-Gas Detector powered by MSA XCell Sensors

**ALTAIR PRO:**
Durable Single Gas Detector

**ALTAIR 4X:**
Compact Multigas Detector powered by MSA XCell Sensors

**ALTAIR 5X Wireless:**
Versatile Multigas Detector powered by MSA XCell Sensors

**GALAXY GX2:**
Automated Test System

*Because every life has a **purpose…***

# ALTAIR Family **Gas Detectors**

## ALTAIR and ALTAIR PRO

**ALTAIR – Maintenance-free Single Gas Detector**

The ALTAIR is a robust Single Gas Detector with sensor options of $H_2S$, CO or $O_2$. It provides two years or 1080 alarm minutes of service life under warranty with no maintenance. This instrument will not deactivate after two years of operation but will continue to perform as long as battery capacity and sensor allow.

**ALTAIR PRO – Durable Single Gas Detector**

The ALTAIR PRO is a reliable high-performance Single Gas Detector with sensor options of $O_2$, $ClO_2$, HCN or $PH_3$. It accurately measures and displays the gas concentration.

**Features of ALTAIR and ALTAIR PRO Gas Detectors:**

- Withstand a 3 m drop test
- IP 67 rating (dust tight and water tight)
- Easy to grip design
- ALTAIR: traceability – records up to 25 events
- ALTAIR PRO: traceability – records up to 50 events and over 100 hours of periodic data (with default interval 3 min)
- Simple bump check with checkmark displayed for 24 h
- ALTAIR warranty: 2 years after activation or 1080 alarm minutes
- ALTAIR PRO $O_2$ warranty: 2-year. Others : 1-year

XCell® Pulse TECHNOLOGY

**First stand-alone bump test in the world!**

*Phosphorescent housing available*

## ALTAIR 2X

XCell® SENSORS

**Single Gas and Two-Gas Detectors powered by MSA XCell Sensors**

All ALTAIR 2X Gas Detectors incorporate proven XCell Sensor Technology, enhance worker safety, compliance and traceability, minimize cost of ownership and demonstrate rugged durability.

- ALTAIR 2XP: First stand-alone bump test in the world – bump anytime, anywhere, without calibration gas thanks to **patented** XCell Pulse Technology. Improve safety, reduce maintenance and increase productivity!
- ALTAIR 2XT: Monitor 2 gases with 1 device thanks to exclusive MSA XCell Two-Tox Sensor Technology
- ALTAIR 2X: Wide range of Single Gas Detectors powered by XCell Sensors
- Now an option for a displayed gas reading or for an alarm-only device
- Offer fastest sensor response times & lowest calibration gas flow rate on the market
- Typical XCell sensor life > 4 years
- Sleep mode
- Now with MotionAlert alarm
- Withstands multiple 7,5 m drops onto concrete
- IP 67 rating
- Easy compliance!
  Bump test pass: green LED flash every 15 sec + checkmark displayed for 24 h
  Bump test failed or expired: red LED flash every 15 sec, no checkmark displayed
- Traceability – records up to 300 events and 950 hours of periodic data (with default interval 3 min)
- End-of-sensor-life indicator eliminates services outages
- Low cost of ownership
- 3-year warranty for instrument with CO, $H_2S$, $SO_2$ and $NO_2$ XCell Sensors (2 years for $Cl_2$ and $NH_3$ XCell Sensors)

## ALTAIR 4X

**Multigas Detector powered by MSA XCell Sensors**

The ALTAIR 4X is a reliable Multigas Detector that simultaneously measures up to four gases from a wide range of sensor options including combustible gases, $O_2$, CO, $H_2S$, $SO_2$ and $NO_2$.

With large, glove-friendly buttons and a high-contrast display, the ALTAIR 4X is easy to operate in any work environment, even low-light conditions. A full range of accessories is available.

- Offer fastest sensor response times & lowest calibration gas flow rate on the market
- Typical XCell sensor life > 4 years
- Greater signal stability and repeatability
- 24-hour battery run time
- Withstands 6 m drop test
- IP 67 rating
- Unique alarm features: MotionAlert & InstantAlert
- Simple bump check with checkmark displayed for 24 h
- Traceability – records up to 500 events and 50 hours of periodic data (with interval 1 min)
- ALTAIR 4X multi-unit charger available
- Convert ALTAIR 4X into a pump instrument for your sampling applications with the ALTAIR Pump Probe
- End-of-sensor-life indicator eliminates services outages
- Low cost of ownership
- Full 3-year warranty – extended warranty option 1 year

*Phosphorescent housing available*

## ALTAIR Pump Probe

The ALTAIR Pump Probe joins a family of products with a pedigree of durability and functionality.

With a large, glove-friendly button for single handed use, the ALTAIR Pump Probe is designed for easy use in any work environment.

Users who occasionally need to use diffusion instruments for pumped applications, the ALTAIR Pump Probe is the ideal solution with sampling options using a sample wand or sampling line of up to 30 m.

- Up to 30 m sample draw
- Tough over-molded rubber armor
- Survives multiple 3 m drops onto concrete
- Dust and water-tight IP 65 construction
- Rechargeable battery
- 30+ hour run time
- Compatible with all ALTAIR family chargers, desktop/vehicle chargers
- Visual filter inspection
- Quick change components
- Intrinsically-safe design
- 3-year warranty

## ALTAIR 5X Wireless

XCell® SENSORS

**Multigas Detector powered by MSA XCell Sensors**

The ALTAIR 5X Multigas Detector for combustible gases, $O_2$, and toxic gas detection is as tough and functional as it looks. A rugged polycarbonate housing provides unsurpassed durability. Inside, a field-proven integral pump provides consistent gas flow without the problems of externally-attached components. Ergonomic design, glove-friendly buttons, and high-contrast display make the ALTAIR 5X Multigas Detector easy to use in all applications.
Up to six gases can be monitored simultaneously.

*Phosphorescent housing available for ALTAIR 5X with IR sensors*

- Built-in pump
- Very fast sensor response and clear times
- Greater signal stability and repeatability
- Typical sensor life > 4 years on XCell LEL, $O_2$, CO, $H_2S$, $SO_2$ and $NO_2$ XCell sensors and IR sensors
- Typical service life > 3 years on XCell $NH_3$ and $Cl_2$
- By incorporating Bluetooth as a standard feature, MSA offers wireless safety benefits to everyone
- Withstands 3 m drop test
- Unique alarm features: MotionAlert & InstantAlert
- Traceability – records up to 1000 events and 200 hours of periodic data (with interval 1 min)
- ALTAIR 5X multi-unit charger available
- Wide range of sampling accessories
- End-of-sensor-life indicator eliminates services outages
- Low cost of ownership
- Full 3-year warranty on XCell LEL, $O_2$, CO, $H_2S$, $SO_2$, $NO_2$ and IR sensors, 2-year warranty on XCell $NH_3$ and $Cl_2$ and minimum 1-year warranty on other sensors PID, NO, $NO_2$, $ClO_2$, $PH_3$ and HCN

## XCell Low-Power Sensor for ALTAIR 2X

| $H_2S$ Pulse | $H_2S$-LC | CO | CO $H_2$ RES | CO-HC | $SO_2$ | $NO_2$ | $NH_3$ | $Cl_2$ | CO/$H_2S$ | CO $H_2$ RES/ $H_2S$ | CO/ $H_2S$-LC | CO/$NO_2$ | $SO_2$/ $H_2S$-LC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

## XCell Sensor Multigas Instrument Compatibility

| | Ex | Ex-M | Ex-H | $O_2$ | CO/$H_2S$ | CO-HC | $H_2S$/CO $H_2$ RES | CO/ $H_2S$-LC | $SO_2$ | $SO_2$ / $H_2S$-LC | CO/$NO_2$ | $NH_3$ | $Cl_2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALTAIR 4X | YES | YES | YES | YES | YES | NO | YES | YES*[1] | NO | YES*[1] | YES*[1] | NO | NO |
| ALTAIR 5X | YES | YES*[2] | YES | YES | YES | YES*[2] | YES | YES*[2] | YES | NO | YES*[2] | YES | YES |

*[1] *Requires ALTAIR 4X Multigas Detector software version 2.03*
*[2] *Requires ALTAIR 5X Multigas Detector software version 1.27.06 or greater*

## GALAXY® GX2

**Automated Test System**

This easy-to-use automated test stand offers high performance as either a stand-alone unit or an integrated portable detector management system, enabling total data access and control of the MSA ALTAIR Family Gas Detector fleet.
Once any ALTAIR Family Gas Detector is placed within the GALAXY GX2 System, it can be tested, calibrated and charged automatically. Flexibility allows for up to 10 test stations, 4 cylinder holders and multi-unit charger within one GALAXY GX2 System detector bank.

- Easy setup, simple use with touch-free testing
- Color touch screen enhances user experience at the test stand
- Test up to 10 gas detectors simultaneously in the time most competitive systems take to test one device
- 19 languages are available
- Exceeds 50% reduction in cost of ownership, including calibration gas expenses when combined with high performance MSA XCell Sensors

## MSA Link Pro Software

**Easy and Proactive Management of Your Gas Detection Fleet**

Program offers efficient setup and configuration with dashboard alerts as to all conditions, as well as calibration gas and expiration warnings. Query data, print or save reports including gas exposures incidents; system can be set up to automatically send email exposure alerts. Generate session logs, including periodic as well as calibration and GALAXY GX2 System bank data.

- Dashboard – live system view: single-glance notification of instruments that are overdue for calibration or bump test
- Database storage of instrument periodic and session data logs and customizable reports
- Email notifications of GALAXY GX2 System and instrument warnings and error messages
- Fleet Management: Configure banks, instruments and audits fleet settings
- System can be set up with either static or DHCP connections, offering wide flexibility;
  Access flexibility: administrator assigns several levels of user rights;
  Users can access software from any computer that is directed to main database;
  Database exists on one computer or server, multiple end user PCs can access database to use program;
  Network can be as simple as one test stand bank, one router and one laptop computer, or have one or many test stand banks exist within a corporate intranet structure
- MSA Link Pro Software operates completely within your company's firewall

# IT'S WHAT'S INSIDE THAT COUNTS

WORKERS who face potentially dangerous situations deserve the best protection available.
At MSA, we work tirelessly to build smarter, better gas detection instruments that people across the world rely on. With ALTAIR 2X, ALTAIR 4X and ALTAIR 5X Gas Detectors, MSA has developed the most advanced technology available in any portable gas detector on the market with XCell Sensor Technology.

## Powered by Performance

The real strength of our Portable Gas Detectors comes from our sensor technology. MSA XCell Sensors have a typical life of more than double the industry average, and are engineered using MSA's proprietary application-specific integrated circuit (ASIC) design. By miniaturizing the sensors' controlling electronics and placing them inside the sensor itself, MSA XCell Sensors offer superior stability, accuracy, and repeatability. MSA XCell Sensors are a breakthrough in chemical and mechanical sensor design, enabling faster response and span calibration times. With less time spent on calibration and bump tests, you save calibration gas, maintenance costs, and in turn, save money. But most importantly, in your industry, saving seconds on response time can also mean saving lives.

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