

# ALTAIR® 5 Multigas Detector

The first portable 5-gas detector with MotionAlert™ and InstantAlert™ features.





Detector that's customizable for many applications. An optional, high-resolution color display screen offers logo customization and great visibility, even in the brightest sunlight.

The new MSA Altair 5 Multigas Detector raises the bar once again with 5-gas capability, more than 17 preprogrammed languages, high-resolution, crisp color display option, and MSA's exclusive MotionAlert and InstantAlert features. Many great features plus the outstanding durability and performance you expect from MSA.

Ideal for confined space applications, the MotionAlert feature, when enabled, activates a "man down" alarm if no motion is detected for 30 seconds. The InstantAlert feature allows users to manually activate an audible alarm to alert those around them to potentially dangerous situations.

Using a portable gas detector should never be a challenge! MSA has designed the Altair 5 Multigas Detector with the same ease-of-use logic to ensure that minimal user training, interaction, or maintenance, is required. The intuitive menu-driven display and 3 large and tactile buttons make operation easy – even while wearing gloves. Numerous customization options are offered to fit many budgets and experience levels, from personal monitoring and pre-entry checks within confined space to industrial hygienist use.

MSA's new generation of miniature catalytic combustion sensors will reliably detect up to 100% LEL of combustible gases, including many solvents. MSA's high-performing electrochemical duo-tox hydrogen sulfide/carbon monoxide sensor allows for an additional sensor slot. Many other toxic sensor choices are available, including ammonia, chlorine, hydrogen cyanide, phosphine, and sulfur dioxide. A lithium-ion rechargeable battery provides enough runtime to cover double shifts.

The Altair 5 Multigas Detector is Galaxy® System-compatible for easy calibration and record keeping. Vibrating alarm and datalogging are standard features, and the unit is MSA Link™ Software ready for easy transfer of stored information to a connected PC. The ergonomically designed rubber overmolded housing provides unsurpassed durability, is IP65-rated for dust and water ingress, and passes a 6-foot drop test. The unit is also equipped with a 95+ dB audible alarm and ultra-bright alarm LEDs for maximum visibility.

**MSA ALTAIR® 5**



[MSAnet.com](http://MSAnet.com) | 1.800.MSA.2222

## Features

- ➔ Logo display screen customization
- ➔ MotionAlert and InstantAlert features standard
- ➔ MSA Link Software with multi-language capability
- ➔ Galaxy Test System-compatible
- ➔ Triple alarms at 95 dB+
- ➔ Durable rubber/synthetic over-molding
- ➔ Intuitive 3-button operation
- ➔ Unit passes 6-foot drop test; IP65-rated for water/dust ingress
- ➔ Real-time on-line monitoring capability with MSA Link Software
- ➔ 2-year comprehensive warranty for standard models

## Options

- High-resolution color or monochrome display screen
- Many e-chem sensor options
- Integral pump or diffusion option
- Rechargeable lithium-ion or alkaline battery options
- 17-language display capability



## Ordering information (UL approved version)

ALTAIR 5 Multigas Detector with data logging, integral pump, rechargeable battery pack, charger, calibration cap, tubing, CD manual

### Industrial Kits - includes monochrome display, integral pump, 10 ft sampling line, 1 ft probe

UL	AnZ*	CSA*	
10094739	10094959	10094929	ALTAIR 5 Multigas Detector (LEL, O2, H2S)
10094740	10094960	10094930	ALTAIR 5 Multigas Detector (LEL, O2, CO, H2S)
10094901	10094961	10094931	ALTAIR 5 Multigas Detector (LEL, O2, H2S, SO2)
10094902	10094962	10094932	ALTAIR 5 Multigas Detector (LEL, O2, CO, H2S, SO2)

### Calibration Gas

10045035	58L Quad gas mix RP 60 ppm CO, 20 ppm H2S, 15% O2, 1.45% CH4
10048280	34L Econocal Quad gas 60 ppm CO, 20 ppm H2S, 15% O2, 1.45% CH4
711070	34L (10 ppm SO2, balance air)

### Deluxe Kits - includes color display, sampling pump, 10 ft sampling line, 1 ft probe

UL	AnZ*	CSA*	
10094909	10094969	10094939	ALTAIR 5 Multigas Detector (LEL, O2, H2S)
10094910	10094970	10094940	ALTAIR 5 Multigas Detector (LEL, O2, CO, H2S)
10094911	10094981	10094941	ALTAIR 5 Multigas Detector (LEL, O2, H2S, SO2)
10094912	10094982	10094942	ALTAIR 5 Multigas Detector (LEL, O2, CO, H2S, SO2)

### Accessories

10082834	USB IR receiver
10088099	MSA Link Software CD

### Economy Kits - includes monochrome display, integral pump

UL	AnZ*	CSA*	
10094919	10094989	10094949	ALTAIR 5 Multigas Detector (LEL, O2, H2S)
10094920	10094990	10094950	ALTAIR 5 Multigas Detector (LEL, O2, CO, H2S)
10094921	10094991	10094951	ALTAIR 5 Multigas Detector (LEL, O2, H2S, SO2)
10094922	10094992	10094952	ALTAIR 5 Multigas Detector (LEL, O2, CO, H2S, SO2)

\*Contact MSA for availability

## Specifications

Gas	Range	Resolution
LEL	0-100%	1%
O2	0-25% Vol	0.1% Vol
CO	0-999 ppm	1 ppm
H2S	0-200 ppm	1 ppm
SO2	0-20 PPM	0.1ppm
*Cl2	0-20 PPM	0.1ppm
*NH3	0-100 PPM	0.5ppm
*PH3	0-5 PPM	0.1ppm
*HCN	0-30 PPM	0.1ppm
*ClO2	0-1 PPM	0.01ppm
*NO2	0-20 PPM	0.1ppm

\*Call MSA for availability

Drop test	6 feet
Housing	Rugged rubberized armor
Weight	1 lb
Dimensions (L x W x D)	6.68" x 3.52" x 1.95" (rechargeable, pumped, with belt clip) 6.68" x 3.52" x 1.65" (rechargeable, diffusion, no belt clip)
Audible alarm	>95 dB at 1 ft
Visual alarm	2 ultra-bright LEDs
Vibrating alarm	Standard
MotionAlert feature	Standard
InstantAlert feature	Standard
Display size	1.79" x 1.39" high contrast, back-lit
Display option	color/monochrome
Backlight	display time adjustable
Battery	Rechargeable li-ion or Alkaline
Run time	15 hrs @ room temperature
Charging time	<5 hrs
Operating temperature range	-20 °C to +50°C
Humidity	15 – 90% RH non-condensing
Ingress protection	IP65
Data log	> 200 hrs
Event log	> 1000 events
Warranty	2 years under normal use conditions for LEL/O2/CO/H2S versions
Certifications	CE ATEX II 2G* EEx ia d IIC T4 –20°C to +50°C* UL Class I, Division 1, ABCDFG CSA C22.2 No. 157 Class I, Div. 1, Groups ABCD* ANZ Ex ia s I/IIC T4 (Zone 0)*

\*Approvals pending

**Note:** This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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