

# The ALTAIR® 4 Multigas Detector

The toughest kid on the block.



**MSA**  
The Safety Company



Super-durable, competitively-priced, personal multigas detector. Highlights include the exclusive optional MotionAlert™ and InstantAlert™ features, triple alarms, and IP67 rating independently certified.

MSA's new ALTAIR 4 Multigas Detector for LEL, CO, H<sub>2</sub>S, and O<sub>2</sub> raises the standard for personal multigas detectors by offering a combination of features you won't find in competitive models.

The ALTAIR 4 Multigas Detector is the only portable gas detector with an optional MotionAlert™ feature if a user should become disabled due to unforeseen hazards. When enabled, the MotionAlert feature will activate if the instrument does not detect motion for 30 seconds, and is ideal for confined space entry applications. This unique gas detector function can be deactivated by the user. This unit's InstantAlert feature also allows users to manually alert others to a potentially hazardous situation. The ALTAIR 4 Multigas Detector is as tough and functional as it looks, offering distinctly ribbed rubber housing for secure grip and unsurpassed durability. A high-contrast display and three large, rubberized buttons enable easy operation in low-light conditions.

The rubber over-molded housing is easy to grip, provides unsurpassed durability, is rated IP67 against dust and water ingress, and passes a 10+ foot drop test. This unit is equipped with a 95+ dB audible alarm and ultra-bright alarm LEDs on both its top and bottom for maximum visibility. Vibrating alarm and data logging are standard features in this very competitively-priced unit. MSA's ALTAIR 4 Multigas Detector is Galaxy® System-compatible for calibration and record keeping; a QuickCheck™ Test Station for fast, easy bump testing is also available. Data logging is a standard feature; the ALTAIR 4 Multigas Detector is MSA Link™ Software-ready.

#### Features

- MotionAlert feature plus audible, visual, and vibrating alarms
- InstantAlert feature to sound a manual alarm
- Most rugged instrument available
- Large buttons for easy operation
- 16-hour battery run time when fully charged
- Tested to IP67
- Global approvals
- Economically priced
- MSA Link Software ready

#### Applications

- Oil, gas, and petrochemical
- Confined spaces
- Fire service
- Utilities and telecommunications
- Municipal works and waste water
- Civil engineering





Specifications		
Gas	Range	Resolution
LEL	0-100%	1%
O <sub>2</sub>	0-25% vol	0.1% vol
CO	0-999 ppm	1 ppm
H <sub>2</sub> S	0-200 ppm	1 ppm

<b>Drop test</b>	>10 feet
<b>Housing</b>	Rugged rubberized armor
<b>Weight</b>	7.4 oz
<b>Dimensions (L x W x D)</b>	4.4 x 3.0 x 1.37
<b>Audible alarm</b>	>95 dB at 30 cm
<b>Visual alarm</b>	4 ultra-bright LEDs on top and bottom
<b>Vibrating alarm</b>	Standard
<b>MotionAlert Feature</b>	Optional
<b>Display</b>	1.45 x 1.45 high contrast
<b>Backlight</b>	Adjustable time out
<b>Battery</b>	Rechargeable li-polymer
<b>Run time</b>	16-hour @ room temperature
<b>Charging time</b>	< 4 hrs
<b>Operating temperature range</b>	-20°C to + 50°C
<b>Humidity</b>	15 – 90% RH non-condensing
<b>Ingress protection</b>	IP67
<b>Data log</b>	Standard, 50 hours minimum
<b>Event log</b>	Standard 500 events
<b>Standard Warranty</b>	2 years
<b>Extended Warranty</b>	Optional additional 2 years

## Certifications

Europe: ATEX II 2 G EEx ia d IIC T4, Tamb= -20 to 50° C  
 UL, Class I, Div. 1, Groups A B, C, D,  
 Class II, Div.1 Groups F & G. T4, Tamb= -20 to 50° C  
 CSA, Class I, Div. 1, Groups A B, C, D,  
 Australian & New Zealand: IEC Ex ia d I/IIC T4,  
 ANZEx ia s I/IIC T4 (Zone 0)

For additional customized versions and calibration gases, use MSA's ATO ordering sheet or contact MSA customer service at 1-800-MSA-2222.

**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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ALTAIR 4 Multigas Detector with quick-start card, data logging, charger, calibration cap and tubing, CD manual		
UL Approval	CSA Approval	Sensor Configuration
10085981	10089091	ALTAIR 4 Multigas Detector (LEL, O <sub>2</sub> , CO, H <sub>2</sub> S)
10085989	10089094	ALTAIR 4 Multigas Detector with MotionAlert feature (LEL, O <sub>2</sub> , CO, H <sub>2</sub> S)
10089103	10089092	ALTAIR 4 Multigas Detector (LEL, O <sub>2</sub> , CO)
10089105	10089095	ALTAIR 4 Multigas Detector with MotionAlert feature (LEL, O <sub>2</sub> , CO)
10089104	10089093	ALTAIR 4 Multigas Detector (LEL, O <sub>2</sub> )
10089106	10089096	ALTAIR 4 Multigas Detector with MotionAlert feature (LEL, O <sub>2</sub> )

Calibration	
10048280	34L quad gas mix (1.45% CH <sub>4</sub> , 15% O <sub>2</sub> , 60 ppm CO, 20 ppm H <sub>2</sub> S)
10045035	58L quad gas mix (1.45% CH <sub>4</sub> , 15% O <sub>2</sub> , 60 ppm CO, 20 ppm H <sub>2</sub> S)
10089964	Basic system, includes power supply
10089996	Standard stand-alone kit with regulator, charging and cylinder holder
10089967	Smart stand-alone kit with regulator, memory card, charging and cylinder holder
10089321	Calibration assembly (cap, tube, connector)

Accessories	
10069894	Stainless steel suspender clip
10089322	Belt clip
10046528	Universal pump probe (UL)
10055576	Universal pump probe (CSA)
10047596	Universal pump probe (ATEX)
10087913	North American power supply
10088099	MSA Link™ Software CD-ROM
10082834	JetEye IR Adapter with USB connector

Sensors	
10089116	Combustible sensor
10089163	O <sub>2</sub> sensor
10089117	CO/H <sub>2</sub> S duo-tox sensor
10089118	Sensor replacement kit (duo-tox, O <sub>2</sub> , combustible)

