The Orion® Multigas Detector

Reliable, durable, and portable multigas detection for the harshest environments

Portable, hand-held multigas detector for simultaneous monitoring of combustible, toxic and oxygen-deficient atmospheres.

- One-button calibration
- Tough, durable construction
- Large, easy-to-read display
- Long-life battery
- Built-in pump

- Durable sensors
- Carbon-filled nylon case
- Galaxy® System compatibility
- MSA Link™ Software

The Orion Multigas Detector for the fire service is a reliable and easy-to-use portable instrument for detecting the presence of O_2, H_2S, CO and combustible gas. Designed and built by MSA to stand up to the roughest handling in even the toughest environments. A charger and built-in sampling pump are included in the price.

The Orion Multigas Detector is ideal for these and many other applications:

- Fire service and HazMat first responders
- Utilities and telecommunications
- Construction
- General industry
- Oil, gas, and petrochemicals
- Agriculture

Features and Benefits

One-Button Calibration
Calibration is intuitive and is accomplished with the push of a single button. This autocalibration feature greatly simplifies calibration and reduces training needs. Adjustments are limited to 30 percent of the expected span value, which helps to prevent improper calibration

Tough, Durable Construction
The Orion Multigas Detector has excellent resistance to water and dust penetration, allowing it to perform in the harshest environments. The unit has an IP54 weather resistance rating and has successfully passed a six-foot drop test.

Large, Easy-To-Read Display
The Orion Multigas Detector has one of the largest displays of any four-gas portable detector on the market. Its backlighting provides exceptional contrast, making it easy to read in low-light and murky conditions and from a variety of angles. All four gases are displayed simultaneously, along with measured readings. Alarm lights are easily visible from all angles.

Long-Life Battery
The Orion Multigas Detector accommodates either a NiMH battery pack or alkaline batteries. The NiMH battery pack provides up to 16 hours of continuous instrument operation in pumped mode. A full battery charge using MSA's Fast Charger takes less than four hours. With alkaline batteries, the unit will operate for a minimum of eight hours in pumped mode.

Built-In Pump
The Orion Multigas Detector includes a high performance built-in pump for remote sampling of the environment.

Durable Sensors
MSA's Series 20L combustible gas sensor is used in the standard version of the Orion Multigas Detector, providing up to 50 times the silicone poison tolerance and considerably expanding the sensor's service life. All sensors used in the Orion Multigas Detector are easy to maintain. Simply remove three screws, remove the sensor cover and lift out the sensors.

Carbon-Filled Nylon Case
A durable, carbon-filled nylon case makes the Orion Multigas Detector an excellent choice for use in the toughest of conditions, such as corrosive environments.

Galaxy System Compatibility
Order the data-logging option available for the Orion Multigas Detector to make the unit fully compatible with MSA's Galaxy Automated Test and Calibration System. The Galaxy System is an automated calibration and record-keeping system which operates without the touch of a single button, requiring no computer, controller or network interface. The Galaxy System from MSA offers ease of use with minimal training needed, as all gas tubing and electrical links are pre-connected.

Link Software
The Orion Multigas Detector is compatible with MSA Link Software. Display functions and data manipulation are simplified through graphing capability that can be used to view all gases simultaneously or to focus on one at a time. The software's zoom feature makes it possible to expand any portion of a single-gas graph to focus on an activity in more detail.

Orion Multigas Detector Fire Service Kits

Category	Kit	Part No.	LEL	O₂	CO	H₂S	NiMH battery & charger	Alkaline battery	Calibration cap	Internal pump	10ft line	1ft probe	Calibration kit	Red Case	Red Boot
DELUXE	Deluxe FS 4-gas NiMH	10026367	●	●	●	●	●			●	●	●	●	●	●
DELUXE	Deluxe FS 4-gas Alkaline	10026368	●	●	●	●	●	●		●	●	●	●	●	●
DELUXE	Deluxe FS 3-gas H₂S NiMH	10026369	●	●		●	●			●	●	●	●	●	●
DELUXE	Deluxe FS 3-gas H₂S Alkaline	10026490	●	●		●	●	●		●	●	●	●	●	●
DELUXE	Deluxe FS 3-gas CO NiMH	10026491	●	●	●		●			●	●	●	●	●	●
DELUXE	Deluxe FS 3-gas CO Alkaline	10026492	●	●	●		●	●		●	●	●	●	●	●
DELUXE	Deluxe FS 4-gas NiMH, Datalog	10030394	●	●	●	●	●			●	●	●	●	●	●
STANDARD	Standard FS 4-gas NiMH	10026493	●	●	●	●	●		●	●	●	●		●	●
STANDARD	Standard FS 4-gas Alkaline	10026494	●	●	●	●	●	●	●	●	●	●		●	●
STANDARD	Standard FS 3-gas H₂S NiMH	10026495	●	●		●	●		●	●	●	●		●	●
STANDARD	Standard FS 3-gas H₂S Alkaline	10026496	●	●		●	●	●	●	●	●	●		●	●
STANDARD	Standard FS 4-gas NiMH, less case	10030421	●	●	●	●	●		●	●	●	●			
STANDARD	Standard FS 4-gas CO NiMH	10026497	●	●	●		●		●	●	●	●		●	●
STANDARD	Standard FS 4-gas CO Alkaline	10026498	●	●	●		●	●	●	●	●	●		●	●
ECONOMY	Economy FS 4-gas Alkaline	10026499	●	●	●	●	●	●	●						●
ECONOMY	Economy FS 3-gas H₂S Alkaline	10026500	●	●		●	●	●	●						●
ECONOMY	Economy FS 3-gas CO Alkaline	10026501	●	●	●		●	●	●						●
ECONOMY	Economy FS 4-gas NiMH	10030395	●	●	●	●	●		●						●

For customized assemble-to-order Orion Multigas Detector configurations or replacement parts, please request bulletin 0816-29-MC.

ISO 9001 CERTIFIED — Quality System — MSA NORTH AMERICA

Corporate Headquarters
P.O. Box 426, Pittsburgh, PA 15230 USA
Phone   412-967-3000
www.MSAnet.com

U.S. Customer Service Center
Phone   1-800-MSA-2222
Fax   1-800-967-0398

MSA Canada
Phone   1-800-672-2222
Fax   1-800-967-0398

MSA Mexico
Phone   (52) 55 2122 5770
Fax   (52) 55 5359 4330

MSA International
Phone   412-967-3354
FAX   412-967-3451

Offices and representatives worldwide

For further information:

MSA
The Safety Company