



Orion® FX Multigas Detector

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You've always trusted the MSA name for the ultimate in quality, performance and support. Now, MSA introduces the best combination of features and low price available on the market. Once again, MSA delivers!

The Orion FX Multigas Detector is a low-cost, reliable and easy-to-use portable instrument for detecting the presence of O₂, H₂S, CO and combustible gas. It will stand up to the roughest handling in even the toughest environments. A charger and optional built-in sampling pump are included in the price.

Take a look at the following features to see why the Orion FX Multigas Detector provides the most value in the industry:

Faster Responding

The Orion FX Detector offers all of the advanced detection features of the best-selling Orion Multigas Detector, but with an improved LEL sensor that has faster response



and release times for toluene, xylene, and other aromatic hydrocarbons. With these enhancements, the Orion FX Detector is ideal for use in the chemical and petrochemical markets, where fast detection and clearing of aromatic hydrocarbons is crucial.

One-button Calibration

Calibration is intuitive. It's 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 FX Multigas Detector has excellent resistance to penetration from water and dust, allowing it to perform in the harshest environments. The unit has a weather resistance rating of IP54 and has successfully passed a six-foot drop test.

Large, Easy-To-Read Display

With one of the largest displays of any four-gas portable detector on the market, the Orion FX Multigas Detector is easy to read. Its backlighting provides exceptional contrasts, making it easy to read in low-light conditions and from a variety of angles. All four gases are displayed at one time, along with measured readings. Alarm lights are also easily visible from all angles.

Long-Life Battery

The Orion FX 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 and up to 20 hours in the non-pump mode. And, a full battery charge using MSA's Fast Charger takes less than four hours. With alkaline batteries, the unit will operate a minimum of eight hours in pump mode.

Built-In Pump

The low price of the Orion FX Multigas Detector includes the option to have a built-in pump for remote sampling of the environment.

Ease of Maintenance

All the sensors used in the Orion FX 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 FX Multigas Detector an excellent choice for use in the toughest of conditions, as well as for use in corrosive environments.

TIM® System Compatibility

Order the data-logging option available for the Orion FX Multigas Detector to make the unit fully compatible with MSA's TIM Total Instrument Manager System. As the industry's leading computerized calibration system, the TIM System allows users to automatically calibrate their instruments and track calibration records.

Link™ Software

The Orion FX Multigas Detector is compatible with the MSA FiveStar® Link software. It is the same software that has made MSA's FiveStar Alarm the leader in its class of safety instruments. Display functions and manipulation of data are simplified. The graphing capability can be used to view all gases simultaneously or to focus on one at a time. Software provides a "zoom" feature, making it possible to expand any portion of a single gas graph to focus on activity in more detail.

This combination of features and low price make the Orion FX Multigas Detector the undisputed leader in the industry.

Orion FX Multigas Detector Kits

		LEL	O ₂	CO	H ₂ S	NiMH Battery & Charger	Internal Pump	10 ft. Line	1 ft. Probe	Orange Cordura Case	Calibration Kit	Black Economy Case	Boot
Deluxe 4-gas, datalog	10056447	•	•	•	•	•	•	•	•	•	•	•	•
Deluxe 4-gas	10056441	•	•	•	•	•	•	•	•	•	•	•	•
Deluxe 3-gas H ₂ S	10056442	•	•		•	•	•	•	•	•	•	•	•
Deluxe 3-gas CO	10056443	•	•	•		•	•	•	•	•	•	•	•
Industrial 4-gas	10056444	•	•	•	•	•	•	•	•				•
Industrial 4-gas, less jacket	10056448	•	•	•	•	•	•	•					•
Industrial 3-gas H ₂ S	10056445	•	•		•	•	•	•	•				•
Industrial 3-gas CO	10056446	•	•	•		•	•	•	•				•

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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