

# The Orion<sup>®</sup> Multigas Detector

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



**MSA**  
The Safety Company

\*1003086\*

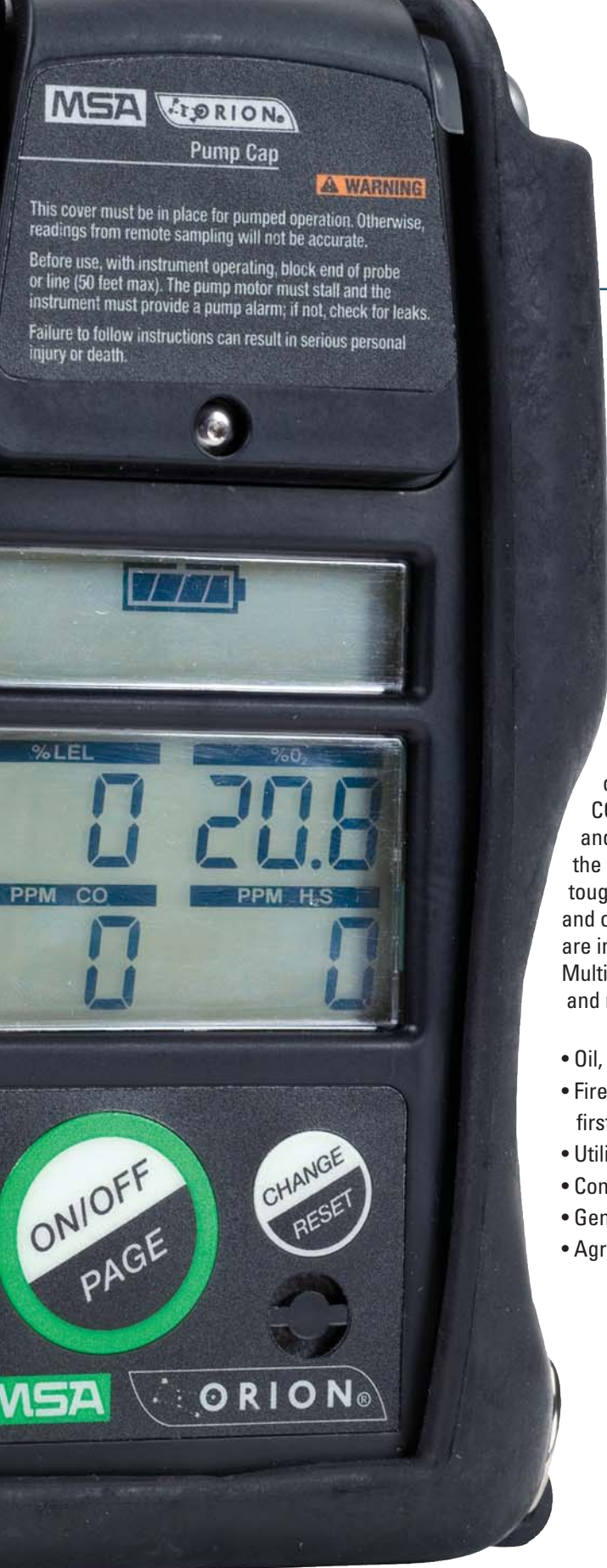
1075  
EG

AUXILIARY

DO NOT  
W/TH

ATTENTION: RISQU  
IL PEUT ETRE NEOP  
D'UN SECTEUR POUR  
AVANT D'ENTRER

CAUTION  
ELECTRIC SHOCK  
ONE DISCONNECT  
BE REQUIRED  
THE DEVICE



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
- Link™ Software

The Orion Multigas Detector is a low-cost, reliable, and easy-to-use portable instrument for detecting the presence of O<sub>2</sub>, H<sub>2</sub>S, CO, and combustible gas. Designed and built by MSA, 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. The Orion Multigas Detector is ideal for these and many other applications:

- Oil, gas, and petrochemicals
- Fire service and HazMat first responders
- Utilities and telecommunications
- Construction
- General industry
- 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% 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 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 and up to 20 hours in the non-pumped mode. A full battery charge using MSA's Fast Charger takes approximately four hours. With alkaline batteries, the unit will operate for a minimum of eight hours in pumped mode.

### ***Built-In Pump***

The low price of the Orion Multigas Detector includes the option to have a 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 FiveStar® 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 has a "zoom" feature, making it possible to expand any portion of a single gas graph to focus on an activity in more detail.

## Orion Multigas Detector Kits

		LEL	O <sub>2</sub>	CO	H <sub>2</sub> S	NiMH battery & charger	Alkaline battery	Calibration cap	Internal pump	10ft line	1ft probe	Orange cordura case	Calibration kit	Black economy case	Boot	Datalog
Deluxe 4-gas, datalog	10030399	●	●	●	●	●		●	●	●	●	●	●	●	●	●
Deluxe 4-gas	10025932	●	●	●	●	●		●	●	●	●	●	●	●	●	
Deluxe 3-gas H2S	10025935	●	●		●	●		●	●	●	●	●	●	●	●	
Deluxe 3-gas CO	10025938	●	●	●		●		●	●	●	●	●	●	●	●	
Industrial 4-gas	10025931	●	●	●	●	●		●	●	●	●				●	
Industrial 4-gas, less jacket	10030420	●	●	●	●	●		●	●	●					●	
Industrial 3-gas H2S	10025934	●	●		●	●		●	●	●	●				●	
Industrial 3-gas CO	10025937	●	●	●		●		●	●	●	●				●	
Economy 4-gas, NiMH	10030398	●	●	●	●	●	●									
Economy 4-gas	10025930	●	●	●	●		●									
Economy 3-gas H2S	10025933	●	●		●		●									
Economy 3-gas CO	10025936	●	●	●			●									
Deluxe 3-gas H2S datalog	10084727	●	●		●	●		●	●	●	●	●	●	●	●	●
Deluxe 3-gas CO datalog	10084725	●	●	●		●		●	●	●	●	●	●	●	●	●
Industrial 3-gas CO datalog	10084728	●	●	●		●		●	●	●	●				●	●
Industrial 4-gas datalog	10084831	●	●	●	●	●		●	●	●	●				●	●
Industrial 4-gas datalog w/rubber boot	10084730	●	●	●	●	●		●	●	●					●	●
Industrial 3-gas CO datalog	10084729	●	●		●	●		●	●	●	●				●	●

**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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