

Ultima[®] X Monitoring System



Gas Monitoring for Wet Well Applications



Application

Designed as a safety monitor for those accessing a pump station for maintenance, the Ultima X Wet Well Monitor is designed to detect gases at various sample heights for large or small areas. As compared to MSA's other custom wet well monitoring systems, this unit is a higher-end model with expanded capabilities, including:

- Has multiple sensing points
- Uses a flow meter for better flow control
- Has individual XE sensors for discrete outputs
- Uses unshared individual relay contacts, resulting in more flexibility in option selection

Common applications utilize an LEL sensor to monitor methane and possibly a carbon dioxide sensor for landfill applications where decomposition is present. Sampling locations for these may be higher up, as these gases tend to rise. Other commonly monitored gases include oxygen and hydrogen sulfide which can be monitored at a lower height, typically above the high water marks.

Product Information

Ultima X Gas Monitors are microprocessor-based to provide continuous monitoring of many hazardous gases using catalytic, electrochemical, and infrared gas detection methods.

Ultima X Monitor Features:

- DuraSource™ Technology provides extended infrared sensor life
- HART field communications protocol option for improved asset management
- Patented sensor disconnect-under-power allows sensor change-out without declassifying a hazardous area
- Interchangeable smart sensors: pre-calibrated, installation-ready sensor modules, field-replaceable without tools
- New sensor type quick recognition and reconfiguration of alarm and relay settings
- LCD conveniently alternates between sensor reading and gas type plus scrolling messaging for ongoing diagnostic checks
- Single-board design for ultimate reliability and serviceability
- Installation is both simple and flexible

Application-Specific Features:

- Capable of monitoring two different locations with one panel
- Single- or multi-point gas monitoring using any combination of MSA sensors
- Adjustable flow control
- Explosion-proof components and seal offs available
- Capable of low-flow relay contact; if the flow rate drops too low, an alarm may sound (not pictured)

Solutions for...

- Chemical plants
- Cylinder storage areas
- Wastewater treatment facilities
- Landfills

For more information and specifications on the Ultima X Series of Monitors, see bulletin #07-2051-MC.

*Note: Customization may affect approvals.

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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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 01 800 672 7222
Fax 52-44 2227 3943

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

Offices and representatives worldwide

For further information:

