



# MSA Gas Detection System

## [ for Wastewater Wet Well Monitoring ]

### Applications

#### Wastewater Treatment Plants and Wet Wells (Pumping Stations)

Areas of wastewater treatment plants that are subject to flooding, such as wet wells, are ideal for MSA's three-gas sample draw custom system. The system is ideal for monitoring oxygen, hydrogen sulfide, and combustible gases (methane or petroleum vapors). In addition, the system is specifically designed for optimum performance in high-moisture environments.

#### Transportable Confined Space Monitor

MSA's three-gas sample draw system can also be used in industrial applications where workers will be entering confined spaces. With an additional mounting stand, the unit can be placed near the entrance of the confined space, alerting workers to atmospheric conditions within the confined space.

### Product Description

MSA's three-gas sample draw system consists of up to three Ultima sensors that digitally communicate with a relay module to provide local alarms.

#### System Contents:

- One to three MSA Ultima® Gas Monitors
- Ultima Relay Module
- DC-powered sample draw pump for pulling sample from up to 100 feet
- Common warning and alarm buzzer
- Hydrophobic end-of-line filter, to ensure that water ingress does not effect product performance
- Flame arrestors (for models ordered with a combustible gas sensor)
- Optional items include one or two beacons, 4-20mA discrete outputs and mounting stand

Refer to DSK 3108-142 installation outline drawing for details.



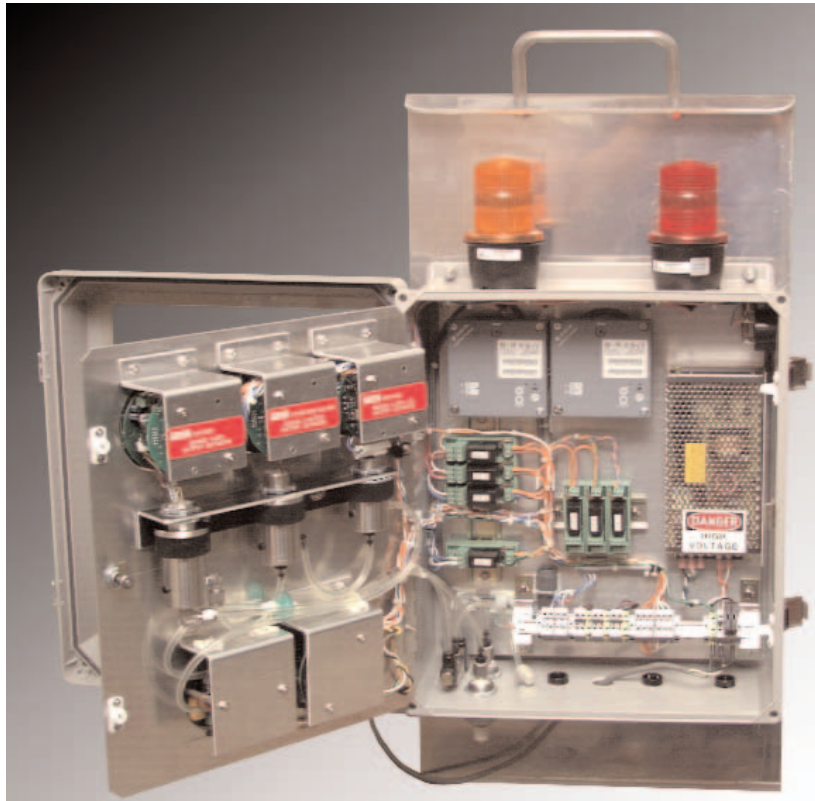
Note: This is a representative description of this product and its possible applications. Contact MSA Custom Products at [customproducts@MSAnet.com](mailto:customproducts@MSAnet.com) for information on customizing this unit to fit a specific need.

### Specifications

Operating Temperature Range:	-4°F (-20°C) to +122°F (+50°C)
Power Supply:	115 VAC, 60 Hz, 1.5 Amp or 220 VAC or 24 VDC (Optional)
Signal Output:	Digital 4-20mA (Optional)
Relay Contacts:	5 Amps @ 250 VAC or 30 VDC Resistive Load Warning, Alarm, Auxiliary Horn, Fault, Flow Failure
Enclosure:	General Purpose
Hazardous Area Rating:	Nema 4
Dimensions:	15.3"w x 17.3"h x 6.7"d

### Meets:

NFPA 820 Fire Protection in Waste Water Treatment Plants  
 OSHA 29 CFR Part 1910.146 Confined Space  
 ANSI 2117.1-1989 Safety Requirements



Note: This Data Sheet contains only a general description of the product shown. While uses and performance capabilities are described, under no circumstances should the product be used except by qualified, trained personnel, and not until the instructions, labels or other literature accompanying the product have been carefully read and understood and the precautions therein set forth followed. Only they contain the complete and detailed information concerning this product.

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