Two versions are available, both capable of drawing gas samples from up to 100 feet. The Air Aspirated Sampling Module uses your plant’s compressed air to operate an air pump; it has no moving parts to wear out or maintain. The electric Pump Model uses a long life DC pump. The Sampling Module enclosure is rated NEMA 4X to withstand those severe environments. For classified or hazardous areas, it is also available in an explosion proof enclosure. It is rated for areas that are Class I, Division 1, Groups C & D.

**Features**

- Easy installation and operation
- A flow sensor detects any loss of gas flow
- A flow fault indicator and relay
- NEMA 4X and explosion-proof installation ratings.
- Can be field-installed to existing Ultima Gas Monitors

**Benefits**

- Convenient gas sampling of hot, cold, inaccessible or confined areas
- Gas calibration from the safe area

**Installation**

Installation is simple. No modifications are necessary to your Ultima Gas Monitor to connect any Sampling Module. Best of all, it can be used with any of the other Ultima Modules such as the Relay or Power Supply Modules.

To monitor up to three different gases, only one Ultima Sampling Module is necessary. Any Sampling Module can draw a gas sample past three different Ultima Gas Monitors.

Each Sampling Module is equipped with a low flow sensor. If the gas flow rate falls below an acceptable range, the front panel indicator lights and the fault relay activates. Your readout device can connect to this relay and alert you when the gas flow is inadequate.

Sensor calibration is simple. With no need to enter the sampled area to introduce the calibration gas, all calibrations can be done from the safe area where the sensor is located.
 Ultima™ Sampling Module

Specifications

**Temperature Range:**
- Operating: -20°C to +50°C (-4 to 122°F)
- Non-Operating: -40°C to +60°C (-40 to 140°F)

**Humidity:**
15 to 95% RH, non-condensing

**Hazardous Area Rating:**
- Explosion-Proof Models: Class I, Division 1, Groups C and D

**Power Input:**
- 7-30 VDC @ < 5 watts

**Fault Relay Ratings:**
- At 110 volts AC or DC, non-inductive - 0.6A
- At 30 volts DC, non-inductive - 2A

**Utility Requirements:**
- Pump - 9-36 VDC @ < 8.5 watts
- Aspirated Air - Max 25 PSIG, 1/4” OD compression

**Physical**
- Size: 7 x 7 x 5 in. (177.8 x 177.8 x 127 cm)
- Weight: 5 lb. (2.267 kg)


Note: This Data Sheet contains only a general description of the MSA Ultima Sampling Module. 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 then do they contain the complete and detailed information concerning this product.

In U.S. 1-800-MSA-INST or FAX (724) 776-3280
In Canada, 1-800-267-0672 or FAX (416) 663-5908
Elsewhere, MSA International, (412) 967-3228 or FAX (412) 967-3373

Instrument Division: PO. Box 427, Pittsburgh, PA 15230 U.S.A.
www.MSAnet.com

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