Ultima®
Accessories

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Ultima Accessories are designed for remote calibration, extended gas monitoring capabilities, easier installation, alternate power source, and for monitoring windy environments or gas inside a duct.

Ultima Accessories can further enhance your Ultima Gas Monitor. They are designed exclusively for your monitor. Save time and money by using the Ultima Accessories to:

- Remotely calibrate the monitor
- Extend gas monitoring capability
- Make installation easier
- Use alternate power
- Monitor windy environments or gas inside a duct

Calibration

As with all gas detection systems, proper calibration is essential. The MSA Calibration Kit offers a quick, convenient, and economical method of checking the response of your monitor. It contains all the necessary hardware (excluding check gas) to calibrate your monitor. Housed in a rugged carrying case, it can be transported to the job site or sensor location. There is room within the carrying case for two calibration gas cylinders.

MSA has a wide assortment of calibration gases available.

All Ultima Gas Monitors are calibrated using a gas cylinder. With no need for gas generators, ampoules or other calibration methods, calibration training is simplified.

Sensor Flow Cap

The Sensor Flow Cap enables the Ultima Gas Monitor to sample from an area of elevated pressure. Such monitoring is required at:

- Hydrocarbon process piping
- Pressurized inerting vessels
- Food transport ships
- Fruit storage
- Exhaust from stationary engines or generators

- Positive pressure rooms
- Enrich Unox systems.

The Sensor Flow Cap simply replaces the sensor cap on the bottom of the Ultima Gas Monitor.

Cylinder Holder

Proper storage of any calibration gas cylinder is a prime safety concern. The cylinder holder can help. It securely mounts two gas cylinders to a wall or any upright support, eliminating the worry and the danger of the gas cylinders falling or tipping over.

When you need the gas cylinders for an instrument calibration, just grab and go. No need to unbolt clamps or chains.

The cylinder holder will also securely hold both the zero and span gas for the Ultima Auto-Calibration Module. There is

ample space to even mount the regulator on the cylinder. When the cylinders are empty, they are easily replaced.
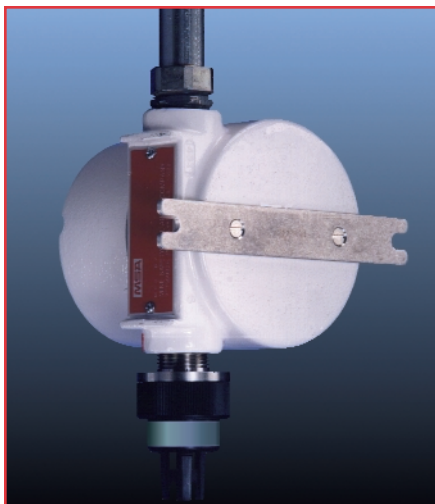
AC Power Supply

The Ultima Gas Monitor accepts from 9 to 36 Volts DC. However, when DC voltages are unavailable or an excessive distance exists between the sensor and the controlling instrument, the Ultima Power Supply can power the unit. This compact and convenient Power Supply accepts a wide range of AC input voltages and is rated for NEMA 4X or hazardous locations.

Remote Sensor

The use of the remote sensor is ideal for gas detection in those hard to access areas such as:

- High ceilings
- Elevated pipe runs or chases
- Wet or dry wells
- Crawl ways
- High ducts (with Duct Mount Kit)
- Above false ceilings

- Elevated catwalks
- Within inerted tanks or vessels
- Any confined or inaccessible space.

The Ultima Gas Monitor's readout module is mounted where it is accessible and in full view, up to 50 feet from the remote sensor. No longer is there any need to climb, crawl or be lowered to reach the sensor for calibration. All calibration is easily done at the readout module without the need of special tools. Nor is there any need to declassify a hazardous area because it is not necessary to open the enclosure for adjustments.

Mounting Hardware

The Ultima Gas Monitor is typically mounted via the conduit supplying the power and signal wiring. However, if conduit is not used, or additional support is required, the Mounting Strap allows easy mounting without derating the enclosure.

An Overhead Mounting Strap is also available for mounting the Ultima Gas Monitor on overhead cables or supports.

Duct Mounted Sensor

When monitoring air within a duct is necessary, use the Ultima Duct Mounted Sensor. It is used in areas such as:

- Parking garage ventilation systems
- Return or cold air ducts in buildings
- Landfill venting stacks
- Solvent exhaust vents
- Painting operations exhaust
- Test chamber exhaust
- Tank relief vents.

No need to remove the Duct Mounted Sensor when calibrating; a quick disconnect fitting enables the check gas to reach the sensor. In areas where the air ducts are too high to reach, the Ultima Remote Sensor can also be used.

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Specifications

Remote Sensor

Gas types Combustible; oxygen; toxic.
Temperature range
-20° to +50°C (-4° to +122°F)
Combustible -40° to +90°C (-40° to +194°F)
Max distance from readout module 50ft, cable provided. (O2 & Toxics Only)
Area Classification
Class 1 Division I, Group B, C & D, or NEMA 4X.
Size
9 X 6 X 5 in. (228.5 x 152.4 x 127 cm)
Weight
4.5lb(2.041 k)

Duct Mounted Sensor

Gas types Combustible; oxygen; toxic.
Temperature range
 -20° to +50°C (-4° to +122°F)
Combustible
 -40° to +90°C (-40° to +194°F)
Max airspeed in duct
5280 feet/min (1609.34 meters/min)
Area Classification
Class 1 Division I, Group B, C & D.
Size
9.25 X 6 X 4.2in.
(23.4 x 15.24 x 10.67 cm)
Weight
(Less sensor) 2.5lb (1.133 kg)

Power supply

Power input range
80 to 132 Volts AC, or
200 to 260 Volts AC, 50/60HZ
Area Classification
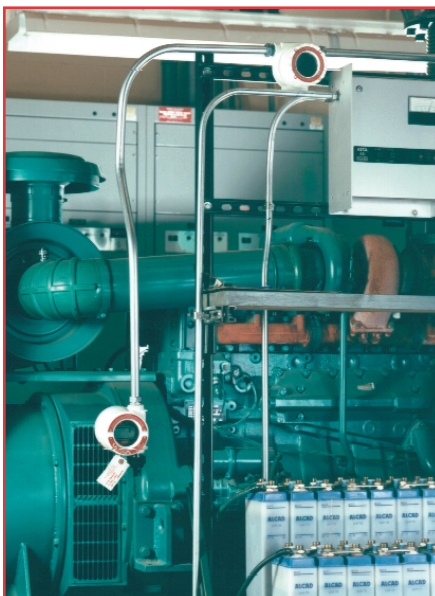Class 1 Division I, Group B, C & D, or NEMA 4X.
Size
9 X 6 X 5 in.
(22.85 x 15.24 x 12.7 cm)
Weight
4.5lb (2.041 kg)

Ordering Information

Remote Sensor See Bulletin 0730-00
Duct mount kit 814636 (less sensor)
Remote Sensor, duct mount kit 814861 (less sensor)
Mounting strap 697281
Overhead mounting strap 814513
Sensor flow cap, Toxic, general purpose 815426
Sensor flow cap, Oxygen, general purpose 815427
Sensor flow cap, Combustible gas 815428
Sensor flow cap, Explosion proof 815429
Power supply 815320
Calibration kit 492769 or 710410
Check gases See data sheet 07-1701
Check gases Cylinder holder 710483

Represented by: