

# MSA Permanent Instrument Accessories



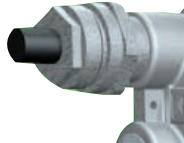
MSA supplies a full line of accessories for use with our permanent instruments. Simply select those that meet your need to create your own individualized monitoring solution.



## Ultima® X Gas Monitor Accessories:

### Pushbutton

To acknowledge an event or initialize calibration.



### HART port

Intrinsically safe connection for a HART communicator.



### Ultima XI calibration cap

A snap-on cap that enables XI calibration.



### Calibrator

Offers the industry's simplest method of calibration. An easy-to-use, three-button device allows calibration and address change of the Ultima X Gas Monitor.



### Sensor flow cap

Provides a regulated amount of flow during calibration.



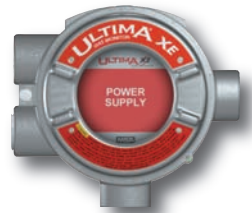
### Controller

Provides complete access to all advanced features of the Ultima X Gas Monitor through its full-function keypad. The controller is used to set the real time clock, set alarm levels, change span-gas values, display date of last calibration, display minimum, maximum and average gas values, change address and set future calibration time/date in addition to providing basic calibration functions. It is completely password-protected.



### Power supplies

External power supplies enable remote powering of sensors. Internal power supply options are also available. One remote power supply module can power:



- ★ Up to 5 electrochemical or oxygen sensors
- ★ Up to 3 combustibles sensors

## Ultima X accessories (continued):

### Duct mount kits

Allow the user to monitor air within ductwork. A quick-disconnect fitting enables the calibration gas to reach the sensor without having to remove the duct-mounted sensor.



### Sampling pump modules

Are available to bring a remote sample to a sensor. The sampling modules are available in GP (General Purpose) and XP (Explosion Proof) versions of aspirated and pumped modules.



## Other accessories:

### Mounting brackets

For mounting the monitor on a wall.



### Stainless steel tags

For customer-specific naming requirements.



### Remote display modules

Provide the ability to remotely view the status of a gas monitor.



### Strobes & horns

Offer prominent visual and audible indications of system alerts.



### Filters

For sample conditioning the filters remove particulate and liquids from the sample stream.



For more information on accessories or other MSA gas detection solutions, visit [www.MSAnet.com](http://www.MSAnet.com) or contact Sales at 1-800-MSA-INST.

**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](http://www.MSAnet.com)

**U.S. Customer Service Center**  
Phone 1-800-MSA-INST  
Fax 1-724-776-3280

**MSA Canada**  
Phone 1-800-672-2222  
Fax 1-800-967-0398

**MSA Mexico**  
Phone (52) 55 2122 5770  
Fax (52) 55 5359 4330

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

**MSA**  
The Safety Company