

# Sensor X-change Program



## Gas Types

Ammonia	0-50 PPM
Ammonia	0-100 PPM
Ammonia	0-1000 PPM
Arsine	0-2 PPM
Bromine	0-5 PPM
Carbon Monoxide	0-100 PPM
Carbon Monoxide	0-500 PPM
Carbon Monoxide	0-1000 PPM
Chlorine	0-5 PPM
Chlorine	0-10 PPM
Chlorine	0-20 PPM
Chlorine Dioxide	0-3 PPM
Combustible Gas	0-100% LEL
Natural Gas & Hydrogen	0-100% LEL
Petroleum Vapors	0-100% LEL
Diborane	0-50 PPM
Ethylene Oxide	0-10 PPM
Fluorine	0-5 PPM
Germane	0-3 PPM
Hydrogen Fluoride	0-10 PPM
Hydrogen	0-1000 PPM
Hydrogen Chloride	0-50 PPM
Hydrogen Cyanide	0-50 PPM
Hydrogen Sulfide	0-10 PPM
Hydrogen Sulfide	0-50 PPM
Hydrogen Sulfide	0-100 PPM
Hydrogen Sulfide	0-500 PPM
Nitric Oxide	0-100 PPM
Nitrogen Dioxide	0-10 PPM
Oxygen	0-10%
Oxygen	0-25%
Oxygen -CO <sub>2</sub> Tolerant	0-25%
Oxygen -Solvent & CO <sub>2</sub> Tolerant	0-25%
Phosgene	0-1%
Phosphine	0-2 PPM
Silane	0-25 PPM
Sulfur Dioxide	0-25 PPM
Sulfur Dioxide	0-100 PPM

## Exchange sensors on demand

MSA is pleased to offer a new sensor-replacement service. With the Ultima X Series Sensor X-change™ Program, receive replacement calibrated sensor modules when they are needed, on demand. Sensors arrive prior to the Ultima X Gas Monitor's scheduled calibration due date for easy installation and minimal downtime. Simply change out the old sensor with the new, perform a gas check, and the gas detection system is operational.

## How the program works

- 1 Replacement sensor modules are shipped at pre-determined intervals of 3, 4, 6, and 12 months. Sign a program agreement for your choice of 1, 2, or 3 years. Some restrictions apply, contact your sales representative for more information.
- 2 Receive a pre-calibrated sensor module plus complete calibration documentation in a returnable, pre-labeled container.
- 3 The shipping container, which identifies the sensor type, is used for return of the old sensor module.

## Program benefits

The Ultima X Series Sensor X-change Program:

- Eliminates the need to perform initial field calibrations.
- Reduces overall maintenance time and cost.
- Greatly reduces calibration cylinder requirements.
- Eliminates the need to dispose of sensor modules.
- Provides assurance that the installed sensor base has been factory-calibrated by trained MSA technicians prior to operation.
- All Ultima X Smart Sensors, using catalytic bead and electrochemical technologies, are available through the Ultima X Series Sensor X-change Program.
- MSA's patented sensor disconnect-under-power feature allows all sensors to be changed out in hazardous areas without the need for a hot-work permit or area declassification.

**Talk to your MSA representative, or call 1-800-MSA-INST now to arrange for this convenient, automatic Ultima X Series Sensor X-change program.**

*For complete terms and conditions see bulletin #07-0063.*

**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.



**ID 07-2142-MC / April 2013**

© MSA 2013 Printed in U.S.A.

**Corporate Center**  
1000 Cranberry Woods Drive,  
Cranberry Township, PA 16066 USA  
Phone 724-776-INST  
[www.MSAafety.com](http://www.MSAafety.com)

**U.S. Customer Service Center**  
Phone 1-800-MSA-INST  
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 724-776-8626  
Toll Free 1-800-672-7777  
Fax 724-741-1559  
Email [msa.international@msafety.com](mailto:msa.international@msafety.com)

**Offices and representatives worldwide**  
For further information:

[www.MSAafety.com](http://www.MSAafety.com)