The Basics of
Air Sampling Systems

Air Sampling Systems use a detector tube and pump to do on-the-spot air monitoring. They are accurate enough to get an idea of the hazards in the workplace. Detector tubes are typically used when surveying an area, and can provide exposure levels in either ppm or percent volume.

What is a Bump Test?

A Bump Test is performed by briefly exposing your gas monitor to a known concentration of a gas, to ensure that it is functioning correctly. Most manufacturers suggest performing a bump test daily or before each use. If the readings are within an acceptable range of the actual value, it is not necessary to make a calibration adjustment. However, it is very important to understand that a bump test is not, nor is it intended to be, a measure of the overall accuracy of the instrument. In no case should an instrument which has failed to respond properly to a bump test be used further until the unit has been calibrated properly and the malfunction corrected.

Sound Level Meter vs. Dosimeter

- A Sound Level Meter measures the intensity of sound at a given moment. Because sound-level meters provide a real-time indication of noise levels, they are typically used during an initial survey of an area. Once high-noise areas are identified, more thorough monitoring can be performed with a Dosimeter.
- A Dosimeter is typically worn by an employee to measure the accumulation of their noise exposure over a work shift. Readings are typically taken dozens of times per minute and then calculated into an average. Dosimeters monitor all types of noise sources and are often used when time and mobility are an issue.

We are your source for Testing Equipment. If you need assistance in choosing the right product for your business or can’t find exactly what you’re looking for, please give us a call today and we’ll be happy to provide you with all the information you need to make the right decision.

www.mathesongas.com • 877-684-4427
INDUSTRIAL SCIENTIFIC

MX6 iBrid™ Multigas Monitors

Get ready to see hazardous levels of oxygen, toxic and combustible gas, and volatile organic compounds like never before. This is the first gas monitor to feature a full-color LCD display screen. Users can easily step through instrument settings and functions with an intuitive menu and the five-way navigation button. Monitor carries a lifetime warranty. DS2 Docking Station (sold separately) provides automated calibration, record keeping and battery recharging, while allowing data to be relayed back to one central database via wireless/ethernet connectivity.

• Simple, user-friendly, menu-driven navigation
• Five-way navigation button
• Field replaceable sensors
• Powerful, 95 dB audible alarm
• Infrared communications port
• Durable, concussion-proof overmold

Confined Space Kits Contain:
• Monitor
• Motorized sampling pump and tubing
• Calibration gas/regulator/cup/fitting/tubing
• Dust filter/water stop
• Maintenance tool
• Belt clip
• Wrist strap
• Manual, quick start guide & training CD
• Universal charger
• Alkaline battery pack
• Nylon carrying case
• Pelican® case

We are your source for Testing Equipment. If you need assistance in choosing the right product for your business or can’t find exactly what you’re looking for, please give us a call and we’ll be happy to provide you with all the information you need to make the right decision.

36718 4-Gas Diffusion Monitor (Carbon Monoxide, Hydrogen Sulfide, Oxygen, LEL Pentane) $2,368.00
36719 4-Gas Aspirated Monitor with Photoionization Detector (Carbon Monoxide, Hydrogen Sulfide, Oxygen, LEL Pentane) 3,333.00
36722 4-Gas Aspirated Monitor for Brewing/Bottling/Wineries (Carbon Monoxide, Carbon Dioxide, Oxygen, LEL Pentane) 2,952.00
36726 Confined Space Kit, 4-Gas Aspirated Monitor (Carbon Monoxide, Hydrogen Sulfide, Oxygen, LEL Pentane) 3,703.00
36725 Confined Space Kit, 4-Gas Aspirated Monitor with Photoionization Detector (Carbon Monoxide, Hydrogen Sulfide, Oxygen, LEL Pentane) 4,460.00

Accessories
36710 DS2 Docking Station 2,399.00
36723 Datalink Assembly 196.00
36724 Battery Charger/Datalink Assembly 396.00
36725 Single-Unit Charger, 12-Volt 144.00
36726 5-Unit Charger, 12-Volt 456.00
36727 Truck-Mount Charger (12-Volt) 204.00
36728 Truck-Mount Charger, Hard Wired 204.00
36729 Replacement Lithium-Ion Battery Pack for Diffusion Monitor #36718 229.00
36730 Repl. Extended Lithium-Ion Battery Pack for Aspirtated Monitors #36719-36722 255.00
36731 Alkaline Battery Pack 164.00
36732 Nylon Carrying Case 268.80
36794 Motorized Sampling Pump 10.85
36806 Internal Dust Filter/Water Stop 1.35
36810 6’ Extendible Probe Tubing Kit 83.95
36813 SP6 Filter Cap to Adapt Sampling Probes to Pumps 334.50
36858 Calibration Cup 1.35
36899 Training DVD 11.90

Replacement Sensors
36817 Carbon Monoxide 334.50
36818 Hydrogen Sulfide 334.50
36819 Oxygen 201.80
36820 Nitrogen Dioxide 403.95
36821 Sulfur Dioxide 403.95
36822 Ammonia 505.00
36823 Phosphine, Low 0-5 ppm 505.00
36824 Hydrogen 505.00
36825 Carbon Monoxide (High) 334.50
36826 LEL, Pentane 268.80
36827 LEL, Methane 268.80
36828 LEL, Methane 0 - 5% 268.80
36829 Methane, Infrared 532.00
36830 Hydrocarbons, Infrared 532.00
36831 Carbon Dioxide, Infrared 532.00
36832 Photoionization Detector 734.50
ISc iTX Multigas Monitors

Smart sensor technology allows this unit to recognize a wide assortment of field-replaceable, interchangeable sensors. Providing simplified, single-button operation and calibration functions, the unit’s Quick-Cal feature quickly calibrates up to four sensors at once, saving time and calibration gas costs. Superior, user-configurable data logging and hygiene functions allow the monitor to store up to 300 hours of survey data at one minute intervals. The unit also includes STEL and TWA readings and alarms. DS2 Docking Station (sold separately) provides automated calibration, record keeping and battery recharging, while allowing data to be relayed back to one central database via wireless/ethernet connectivity.

- User and site ID data entry
- Data logging capability standard
- 50 ppm resolution for hydrocarbons
- All monitors are equipped with a rechargeable Li-ion battery

36735 5-Gas Monitor (Oxygen, Carbon Monoxide, Hydrogen Sulfide, LEL, Ammonia) ................................................................. $2,823.80
36733 4-Gas Monitor (Oxygen, Carbon Monoxide, Hydrogen Sulfide, LEL) ................................................................. 2,392.00
36734 3-Gas Monitor (Oxygen, Carbon Monoxide, LEL) ................................................................. 2,052.00
36792 Confined Space Kit, 4-Gas Monitor (Oxygen, Carbon Monoxide, Hydrogen Sulfide, LEL) with 120-Volt Charger ................................................................. 4,387.00
36793 Confined Space Kit, 3-Gas Monitor (Oxygen, Carbon Monoxide, LEL) with 120-Volt Charger ................................................................. 3,420.00

Accessories
36711 DS2 Docking Station ........................................................................... 2,399.00
36736 Single-Unit Compact Charger, Universal ................................................................. 122.10
36737 Single-Unit Compact Charger, 12-Volt ................................................................. 109.00
36814 6-Unit Charger with Flying Leads & Cradle ................................................................. 472.00
36738 Battery Charger/Data Logging Kit ................................................................. 590.00
36739 Battery Charger/Data Link Assembly ................................................................. 499.00
36740 Truck-Mount Charger, 12-Volt ................................................................. 612.00
36741 Truck-Mount Charger, Hard Wired ................................................................. 612.00
36742 Motorized Sampling Pump ................................................................. 563.70
36812 Sampling Pump Filter Guard ................................................................. 9.20
36743 Li-Ion Battery Pack ................................................................. 209.50
36744 Alkaline Battery Pack ................................................................. 119.00
36745 Nylon Carrying Case ................................................................. 32.95
36813 6' Extendible Probe Tubing Kit ................................................................. 84.70
36859 Calibration Cup ................................................................. 8.25
36900 Training Video ................................................................. 35.65
36901 Training Video, Spanish ................................................................. 35.65

Replacement Sensors
36833 Oxygen ................................................................. 201.80
36834 LEL, Methane ................................................................. 268.80
36835 Carbon Monoxide ................................................................. 334.50
36836 Hydrogen Sulfide ................................................................. 334.50
36841 Sulfur Dioxide ................................................................. 403.95
36838 Sulfur Dioxide (Big) ................................................................. 403.95
36839 Chlorine ................................................................. 403.95
36840 Nitrogen Dioxide ................................................................. 403.95
36841 Nitrogen Dioxide (Big) ................................................................. 403.95
36842 Phosphine ................................................................. 505.00
36843 Hydrogen ................................................................. 505.00

Direct Safety Calibration Gases
47841 Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 34L Aluminum Cylinder ................................................................. 212.15
47848 Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 58L Aluminum Cylinder ................................................................. 257.60
47850 High Pressure Regulator for 34L, 58L, 74L & 116L Aluminum Cylinders and 103L Steel Cylinder, 1 L per Minute Flow ................................................................. 162.50

www.mathesongas.com • 877-684-4427

273
**INDUSTRIAL SCIENTIFIC**

**Ventis™ Multigas Monitors**

This instrument can be configured for **Diffusion** operation or **Aspirated** operation using an internal sampling pump to monitor one to four gases including oxygen, combustible gas (LEL), and a choice of two other toxic gases. Unit features an LCD readout of all gases, peak/hold function, STEL, TWA and datalogging. The monitor’s small size and durable, lightweight construction make it ideally suited for a wide variety of hazardous and confined space applications. Aspirated models require an Extended Range Lithium-ion Battery, while Diffusion models work with both **Standard and Extended Range Lithium-Ion Batteries**. Unit comes standard with a calibration cup with tubing and suspender clip (Diffusion models only).

**DS2 Docking Station**

Provides automated calibration, record keeping and battery recharging, while allowing data to be relayed back to one central database via wireless/ethernet connectivity. iGas is an optional feature of DS2 Docking Station that uses a Smart Card to automatically configure calibration gas cylinders. If you purchase the iGas option, a Smart Card containing information about the gas cylinder will be attached to the neck of each of your cylinders. When the card is connected to the card reader, the system reads the information about the gas and automatically configures the Gas In connection in the DS2 Docking Station system.

**V-Cal Calibration Station** is capable of calibrating, bump testing and charging these monitors. A PC is not required to operate this stand-alone system, making the unit extremely portable and flexible. **Printer** automatically prints calibration and bump test reports. This product will ship separately, direct from the manufacturer.

---

**Calibration Gases**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36865</td>
<td>Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 34L Cylinder</td>
<td>$269.00</td>
</tr>
<tr>
<td>36866</td>
<td>Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 58L Cylinder</td>
<td>$358.35</td>
</tr>
<tr>
<td>76909</td>
<td>Carbon Monoxide, 100 ppm; Nitrogen Dioxide, 5 ppm; Oxygen 19%; LEL Pentane 25%; 58L Cylinder</td>
<td>$335.00</td>
</tr>
<tr>
<td>76908</td>
<td>Hydrogen Sulfide, 25 ppm; Sulfur Dioxide, 5 ppm; Oxygen 19%; LEL Pentane 25%; 58L Cylinder</td>
<td>$385.00</td>
</tr>
<tr>
<td>76911</td>
<td>Nitrogen Dioxide, 5 ppm; 34L Cylinder</td>
<td>$300.00</td>
</tr>
<tr>
<td>76910</td>
<td>Sulfur Dioxide, 5 ppm; 58L Cylinder</td>
<td>$208.00</td>
</tr>
</tbody>
</table>

**Direct Safety Calibration Gases**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>47841</td>
<td>Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 34L Aluminum Cylinder</td>
<td>$212.15</td>
</tr>
<tr>
<td>47848</td>
<td>Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 58L Aluminum Cylinder</td>
<td>$257.60</td>
</tr>
<tr>
<td>47850</td>
<td>High Pressure Regulator for 34L, 58L, 74L &amp; 116L Aluminum Cylinders and 103L Steel Cylinder, 1 L per Minute Flow</td>
<td>$162.50</td>
</tr>
</tbody>
</table>
INDUSTRIAL SCIENTIFIC

M40 Multigas Monitors

The unit's compact size and economical price make it an ideal personal monitoring instrument for a wide variety of hazardous and confined space applications. Its four button interface provides simple, intuitive operation and calibration. Other standard features include vibrating, audible and visual alarms, peak/hold readings, large LCD, 75-hour datalogging capacity and a belt clip. All monitors are equipped with a rechargeable Li-ion battery. Unit offers carries a two-year warranty.

- **Monitor/Sampling Pump Combos** enable remote sampling from up to 50’ away.
- **The M-Cal Calibration Station** is capable of calibrating, bump testing and charging the M40 Monitor/Pump Combos. A PC is not required to operate this stand-alone system, making the unit extremely portable and flexible.
- **M-Cal Accessory Kit** contains a demand flow regulator, calibration gas cylinder, tuning and a CD.

Confined Space Kits Contain:
- Monitor/Pump Combo
- Sampling Tubing
- Calibration Gas/Regulator/Cup/Fitting/Tubing
- Compact Charger
- Belt Clip
- Water Barrier Assembly
- Filter
- Monitor/Pump Combo Leather Carrying Case
- Utility Case
- Instruction Manual

---

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36766</td>
<td>4-Gas Monitor (Oxygen, Carbon Monoxide, Hydrogen Sulfide, LEL)</td>
<td>$777.90</td>
</tr>
<tr>
<td>36767</td>
<td>2-Gas Monitor (Oxygen, LEL)</td>
<td>$669.00</td>
</tr>
<tr>
<td>36768</td>
<td>4-Gas Monitor/Pump Combo (Oxygen, Carbon Monoxide, Hydrogen Sulfide, LEL)</td>
<td>$974.00</td>
</tr>
<tr>
<td>36769</td>
<td>Confined Space Kit, 4-Gas Monitor/Pump Combo (Oxygen, Carbon Monoxide, Hydrogen Sulfide, LEL)</td>
<td>$1,503.40</td>
</tr>
<tr>
<td>36770</td>
<td>Confined Space Kit, 3-Gas Monitor/Pump Combo (Oxygen, Carbon Monoxide, LEL)</td>
<td>$1,275.00</td>
</tr>
<tr>
<td>36771</td>
<td>Confined Space Kit, 3-Gas Monitor/Pump Combo (Oxygen, Hydrogen Sulfide, LEL)</td>
<td>$1,275.00</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36772</td>
<td>Motorized Sampling Pump</td>
<td>$203.00</td>
</tr>
<tr>
<td>36773</td>
<td>Single-Unit Compact Charger, Universal</td>
<td>$67.00</td>
</tr>
<tr>
<td>36774</td>
<td>Single-Unit Automotive Charger, 12-Volt</td>
<td>$67.00</td>
</tr>
<tr>
<td>36775</td>
<td>6-Unit Charger with Flying Leads &amp; Cradle</td>
<td>$515.00</td>
</tr>
<tr>
<td>36776</td>
<td>Monitor Truck-Mount Charger, 12-Volt</td>
<td>$515.00</td>
</tr>
<tr>
<td>36777</td>
<td>Monitor/Pump Combo Truck-Mount Charger, Hard Wired</td>
<td>$586.95</td>
</tr>
<tr>
<td>36781</td>
<td>Metal Belt Clip</td>
<td>$25.95</td>
</tr>
<tr>
<td>36782</td>
<td>Suspender Clip</td>
<td>$26.65</td>
</tr>
<tr>
<td>36778</td>
<td>Nylon Carrying Case, Monitor</td>
<td>$9.95</td>
</tr>
<tr>
<td>36779</td>
<td>Nylon Carrying Case, Monitor/Pump Combo</td>
<td>$19.95</td>
</tr>
<tr>
<td>36780</td>
<td>Single-Unit M-Cal Calibration Station with Monitor/Pump Bays</td>
<td>$1,078.00</td>
</tr>
<tr>
<td>36781</td>
<td>M-Cal Accessory Kit</td>
<td>$814.95</td>
</tr>
<tr>
<td>36786</td>
<td>Replacement Ribbon for M-Cal Printer</td>
<td>$20.95</td>
</tr>
<tr>
<td>36787</td>
<td>Replacement Paper Roll for M-Cal Printer</td>
<td>$4.60</td>
</tr>
<tr>
<td>36788</td>
<td>Wall/Desk Mount Cylinder Holder</td>
<td>$57.95</td>
</tr>
<tr>
<td>36860</td>
<td>Calibration Cup</td>
<td>$3.30</td>
</tr>
<tr>
<td>36902</td>
<td>M40 Training Video CD, English/Spanish/French</td>
<td>$23.80</td>
</tr>
<tr>
<td>36903</td>
<td>T40 Training Video (VHS), English/Spanish</td>
<td>$35.65</td>
</tr>
</tbody>
</table>

### Replacement Sensors

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36844</td>
<td>Oxygen</td>
<td>$201.80</td>
</tr>
</tbody>
</table>

### Direct Safety Calibration Gases

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>47841</td>
<td>Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 34L Aluminum Cylinder</td>
<td>$212.15</td>
</tr>
<tr>
<td>47842</td>
<td>Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 58L Aluminum Cylinder</td>
<td>$257.60</td>
</tr>
<tr>
<td>47850</td>
<td>High Pressure Regulator for 34L, 58L, 74L &amp; 116L Aluminum Cylinders and 103L Steel Cylinder, 1L per Minute Flow</td>
<td>$162.50</td>
</tr>
</tbody>
</table>
Altair® 5 Multigas Detector
Test for more hazards in less time with this detector that identifies the presence of hydrogen sulfide, carbon monoxide, oxygen, sulfur dioxide and combustibles. The intuitive menu-driven display and three large, tactile buttons make operation easy – even while wearing gloves. Choose either a High-resolution crisp Color or Monochrome display. The sensors deliver stable readings in environments with challenging temperature and humidity conditions. Ideal for confined space applications or when working alone, MotionAlert™ feature activates a “man down” alarm if no motion is detected for 30 seconds. Exclusive InstantAlert™ feature allows users to manually activate an audible alarm to alert those nearby to potentially dangerous situations. 2-year comprehensive warranty helps to protect your investment. Unit comes with datalogging, integral pump, rechargeable Lithium-ion battery pack, charger, calibration cap, tubing and CD manual. This product will ship separately, direct from the manufacturer.

Altair® 4X Multigas Detector
This detector for hydrogen sulfide, carbon monoxide, oxygen and combustibles is as tough and functional as it looks. A rugged housing provides unsurpassed durability, including the ability to survive a 20-foot drop. With large, glove-friendly buttons and a high-contrast display, this unit is easy to operate in any work environment, even low-light conditions. XCell Sensors have a typical life of more than four years – double the industry average. These sensors are a breakthrough in chemical and mechanical sensor design, enabling faster response and span calibration times. Exclusive safety features like MotionAlert™ and InstantAlert™ make this detector ideal for applications like confined space entry. The MotionAlert sensor activates when a user becomes disabled and motionless, quickly alerting others to his location. The InstantAlert feature enables users to manually alert others to potentially hazardous situations. This instrument comes with a full three-year warranty – an entire year longer than the industry average. Unit includes data logging, charger, calibration cap and tubing. This product will ship separately, direct from the manufacturer.

Replacement Sensors
77213 Hydrogen Sulfide/Carbon Monoxide .......................... 257.20
77211 Combustibles (LEL) .............................................. 203.55
77212 Oxygen .......................................................... 171.50
77214 Sulfur Dioxide ...................................................... 434.40

MSA Calibration Gases
77030 Carbon Monoxide, 60 ppm; Hydrogen Sulfide, 20 ppm; Oxygen 15%; Pentane 1.45%; 58L Aluminum Cylinder .................. 378.80

Direct Safety Calibration Gases
47842 Carbon Monoxide, 60 ppm; Hydrogen Sulfide, 20 ppm; Oxygen 15%; Methane 1.45% Volume (LEL Pentane Stimulant 58%); 34L Aluminum Cylinder .................. 212.15
47850 High Pressure Regulator for 34L, 58L, 74L & 116L Aluminum Cylinders and 103L Steel Cylinder, ½L per Minute Flow .............. 162.50
**Honeywell Impact Multigas Monitors**

Monitor and display up to four gases simultaneously – oxygen, flammables, carbon monoxide and hydrogen sulfide. Patented Reflex™ technology ensures safe, accurate and reliable measurements. The disposable Sensor Cartridge (sold separately) can be replaced and calibrated in less than three minutes using the optional Enforcer Calibrator.

Small (3.3”H X 5.3”W X 1.9”D), lightweight (18 ounces) and unobtrusive, this unit is ideal for use in confined spaces where entry and exit may be difficult. Confined space atmospheres can be checked by using a drop line, hand aspirator or via an optional built-in pump that turns on and off automatically when the sampling hose is connected.

Ultra-bright alarm lights and a powerful audible alarm, coupled with a periodic green flash and audible beep, provides user with confidence that the monitor is always operating and alarms are never missed. A multi-lingual, backlit display with intuitive menu system makes training and use easy.

The Impact Pro includes a integral sampling pump, vibrating alarm for noisy environments.

Both monitors are UL listed. Instrument is rated IP 67 and cartridge is rated IP 54.

- **Four Sensor Cartridge** (sold separately) detects oxygen, flammables, carbon monoxide and hydrogen sulfide

- **NiMH Charging Kit** converts your Impact Series Monitor to rechargeable NiMH batteries. Includes base station, AC power supply and two NiMH batteries
- **Datalogging Kit** includes base station, power supply unit/charger, PC link cable and ICU
- **Body Harness** includes instrument clip, neck and waist strap for secure transport
- **Enforcer Calibrator** allows quick and easy calibration. Cylinder flow rates are fixed to allow approximately 200 calibrations per cylinder. Calibration results are recorded for printing at a later date via the optional PC Link Software, thereby ensuring that instrument histories are always available if required. Personal gas monitors are normally calibrated every 3-6 months. This product contains hazardous materials, additional shipping charges apply.
- **Pelican Carrying and Protector Cases** safely store your Impact Monitor for transport
- **Hand Aspirator** is used to manually draw air samples on Impact Monitors without the integral sampling pump
- **Sampling Hose** is used with the Hand Aspirator or Integral Sampling Pump to reach remote areas

---

**Fact**

QSHA recommends that a Response Check (Bump Test) be conducted each day prior to the use of your monitor. The Response Check is a simple procedure in which no adjustments are made, unless the check shows that the instrument is not operating within specified limits. If this occurs, then calibration by a trained person must be conducted.

---

**Accessories**

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>58200</td>
<td>Impact Monitor (No Sensor Cartridge)</td>
<td>$614.85</td>
</tr>
<tr>
<td>58201</td>
<td>Impact Pro Monitor (No Sensor Cartridge)</td>
<td>$821.50</td>
</tr>
<tr>
<td>58203</td>
<td>12 Month Four Sensor Disposable Cartridge</td>
<td>$278.00</td>
</tr>
</tbody>
</table>

---

**Calibration Frequency**

QSHA recommends that a Response Check (Bump Test) be conducted each day prior to the use of your monitor. The Response Check is a simple procedure in which no adjustments are made, unless the check shows that the instrument is not operating within specified limits. If this occurs, then calibration by a trained person must be conducted.
GasAlertQuattro Multigas Detector

Rugged and reliable, this four-gas detector combines a comprehensive range of features with simple one-button operation. The graphic LCD displays easy-to-identify icons that indicate operational information, such as bump test and calibration status for simplified onsite auditing. IntelliFlash provides continuous audible/visual alarm.

Visual confirmation of detector operation and compliance. Suited to a wide range of industrial applications including confined space entry, this unit is fully compatible with the MicroDock II automatic test and calibration system.

**MicroDock II** is a cost-effective way to manage calibration and test and calibration system. MicroDock II is entirely self-contained and requires no computer.

**Confined Space Kit** comes equipped with all the accessories you need to safely sample during confined space entry work, including:
- Manual aspirator kit, IR connectivity kit, calibration cap, 0.5 LPM regulator, sampling probe, carrying holster and auxiliary filter kit.
- This product will ship separately, direct from the manufacturer.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>22412 GasAlertQuattro</td>
<td>$869.20</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td></td>
</tr>
<tr>
<td>22413 MicroDock II</td>
<td>1,802.50</td>
</tr>
<tr>
<td>22414 Confined Space Kit</td>
<td>781.25</td>
</tr>
<tr>
<td>22415 Replacement Lithium Polymer Rechargeable Battery Pack</td>
<td>118.75</td>
</tr>
<tr>
<td><strong>Replacement Sensors</strong></td>
<td></td>
</tr>
<tr>
<td>22416 Hydrogen Sulfide</td>
<td>175.00</td>
</tr>
<tr>
<td>22417 Carbon Monoxide</td>
<td>250.00</td>
</tr>
<tr>
<td>22418 Oxygen</td>
<td>168.75</td>
</tr>
<tr>
<td>22419 Combustibles (LEL)</td>
<td>212.50</td>
</tr>
</tbody>
</table>

GasAlertClip Extreme Single Gas Monitor

The GasAlertClip Extreme reliably monitors for oxygen, carbon monoxide or hydrogen sulfide. This single-gas detector requires no calibration, sensor replacement, battery replacement or battery charging. The simplicity of this monitor, combined with minimal training requirements and low maintenance costs, make it one of the most cost-effective PPE solutions for facility workers and on-site contractors.

- Units provides two years of continuous, maintenance-free protection
- Record keeping is accurate and easy with automatic event logging
- Full function self-test of sensor, battery status, circuit integrity and audible/visual alarm
- Unit displays reading in alarm mode
- Water-resistant

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>41061 Oxygen Detector</td>
<td></td>
</tr>
<tr>
<td>41062 Carbon Monoxide Detector</td>
<td></td>
</tr>
<tr>
<td>41063 Hydrogen Sulfide Detector</td>
<td>$271.95</td>
</tr>
</tbody>
</table>

Direct Safety Calibration Gases

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>47843 Hydrogen Sulfide, 25 ppm; Oxygen 18%; LEL Methane 50%; 34L Aluminum Cylinder</td>
<td>212.15</td>
</tr>
<tr>
<td>47845 Hydrogen Sulfide, 25 ppm; 34L Aluminum Cylinder</td>
<td>151.55</td>
</tr>
<tr>
<td>47850 High Pressure Regulator for 34L, 58L, 74L &amp; 116L Aluminum Cylinders and 103L Steel Cylinder, 1/4 per Minute Flow</td>
<td>162.50</td>
</tr>
</tbody>
</table>

Pelican Protector and Micro™ Industrial Cases

Anything that can be damaged by everyday hazards is safe in a Pelican Protector Case. Cases are unbreakable, watertight and will automatically adjust to pressure changes. The body is constructed of high-impact polypropylene to resist dents, scratches and corrosion. The case contains a “Pick-N-Pluck” foam insert to allow a custom, protective fit for sensitive equipment. Micro Cases are perfect for electronics, cell phones, Palm™ Pilots, pagers and games.

<table>
<thead>
<tr>
<th>Case Type</th>
<th>Inside Dimensions</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Protector Case</td>
<td>93⁄8&quot;L X 71⁄16&quot;W X 31⁄16&quot;D</td>
<td>$37.00</td>
</tr>
<tr>
<td>84133</td>
<td>93⁄8&quot;L X 71⁄16&quot;W X 31⁄16&quot;D</td>
<td>37.00</td>
</tr>
<tr>
<td>84134</td>
<td>93⁄8&quot;L X 71⁄16&quot;W X 31⁄16&quot;D</td>
<td>57.20</td>
</tr>
<tr>
<td>84135</td>
<td>93⁄8&quot;L X 71⁄16&quot;W X 31⁄16&quot;D</td>
<td>109.45</td>
</tr>
<tr>
<td>84136</td>
<td>121⁄16&quot;L X 113⁄16&quot;W X 71⁄16&quot;H</td>
<td>177.90</td>
</tr>
<tr>
<td>84137</td>
<td>121⁄16&quot;L X 113⁄16&quot;W X 71⁄16&quot;H</td>
<td>265.00</td>
</tr>
<tr>
<td>84138</td>
<td>121⁄16&quot;L X 113⁄16&quot;W X 71⁄16&quot;H</td>
<td>311.65</td>
</tr>
<tr>
<td>84139</td>
<td>221⁄8&quot;L X 177⁄8&quot;W X 101⁄2&quot;D</td>
<td>324.10</td>
</tr>
<tr>
<td>B. Laptop/Attache Case</td>
<td>177⁄8&quot;L X 123⁄4&quot;W X 63⁄4&quot;D</td>
<td>253.60</td>
</tr>
<tr>
<td>84142</td>
<td>177⁄8&quot;L X 123⁄4&quot;W X 63⁄4&quot;D</td>
<td>253.60</td>
</tr>
<tr>
<td>C. Micro Case</td>
<td>1413⁄16&quot;L X 103⁄8&quot;W X 6&quot;D</td>
<td>19.00</td>
</tr>
<tr>
<td>84257</td>
<td>1413⁄16&quot;L X 103⁄8&quot;W X 6&quot;D</td>
<td>19.00</td>
</tr>
<tr>
<td>84258</td>
<td>1413⁄16&quot;L X 103⁄8&quot;W X 6&quot;D</td>
<td>19.70</td>
</tr>
<tr>
<td>84259</td>
<td>1413⁄16&quot;L X 103⁄8&quot;W X 6&quot;D</td>
<td>20.45</td>
</tr>
</tbody>
</table>
GasBadge® Plus Single Gas Monitors

Stations enable easy instrument maintenance, configuration and data downloading. Stations do not include calibration gas and regulator.

36746 Carbon Monoxide Monitor .................................................. $454.40
36747 Hydrogen Sulfide Monitor ................................................ $454.40
36748 Oxygen Monitor ............................................................... $454.40
36749 Nitrogen Dioxide Monitor ................................................ $642.35
36750 Sulfur Dioxide Monitor ..................................................... $642.35
36751 Ammonia Monitor ........................................................... $726.00
36752 Chlorine Monitor ............................................................. $640.00
36753 Phosphine Monitor .......................................................... $787.00
36754 Carbon Monoxide/Low Hydrogen Interference Monitor ........ $642.35

Accessories
36712 DS2 Docking Station ....................................................... 2,399.00
36755 Datalink Assembly ........................................................ 201.45
36756 Hand-Aspirated Pump ...................................................... 242.35
36757 Neck Lanyard ................................................................. 9.95
36758 Water/Dust Sensor Barriers, 5/Pkg. .................................. 13.10
36861 Calibration Cup ............................................................... 27.95

Replacement Sensors
36845 Carbon Monoxide ........................................................... 303.00
36846 Hydrogen Sulfide ........................................................... 303.00
36847 Oxygen ........................................................................... 178.60
36848 Nitrogen Dioxide ............................................................ 366.25
36849 Sulfur Dioxide ............................................................... 366.25
36850 Ammonia ....................................................................... 454.40
36851 Chlorine ......................................................................... 366.25
36852 Phosphine ....................................................................... 454.40
36853 Hydrogen ........................................................................ 454.40
36854 Carbon Monoxide/Low Hydrogen Interference ................ $366.25

Direct Safety Calibration Gases
47844 Carbon Monoxide, 50 ppm; 34L Aluminum Cylinder .......... 151.55
47845 Hydrogen Sulfide, 25 ppm; 34L Aluminum Cylinder .......... 151.55
47850 High Pressure Regulator for 34L, 58L, 74L & 116L Aluminum
Cylinders and 103L Steel Cylinder, ½L per Minute Flow ............ 162.50

36759 Carbon Monoxide Monitor .................................................. $231.75
36760 Hydrogen Sulfide Monitor ................................................ $238.55
36761 Oxygen Monitor ............................................................... $238.55
36762 Nitrogen Dioxide Monitor ................................................ $397.15
36763 Sulfur Dioxide Monitor ..................................................... $386.25
36764 Calibration Station ........................................................... 1,070.00
36765 Calibration Station with Printer ........................................ 1,474.00

Accessories
36713 DS2 Docking Station ....................................................... 2,399.00
36755 Datalink Assembly ........................................................ 201.45
36756 Hand-Aspirated Pump ...................................................... 242.35
36757 Neck Lanyard ................................................................. 9.95
36758 Water/Dust Sensor Barriers, 5/Pkg. .................................. 13.10
36861 Calibration Cup ............................................................... 27.95

Direct Safety Calibration Gases
47844 Carbon Monoxide, 50 ppm; 34L Aluminum Cylinder .......... 151.55
47845 Hydrogen Sulfide, 25 ppm; 34L Aluminum Cylinder .......... 151.55
47850 High Pressure Regulator for 34L, 58L, 74L & 116L Aluminum
Cylinders and 103L Steel Cylinder, ½L per Minute Flow ............ 162.50

INDUSTRIAL SCIENTIFIC
GasBadge® Pro
Single Gas Monitors

Unit provides more features than any other single gas monitor available. Interchangeable smart sensors enable this unit to be quickly adapted to monitor unsafe levels of oxygen or a variety of toxic gases. Intuitive four-button navigation allows easy access to setup, operation and calibration functions. Monitor communicates directly via an infrared interface to optional accessories like the DS2 Docking Station and Datalink Assembly to further simplify and automate calibration, bump testing and data downloading. Standard STEL and TWA readings and datalogging of up to one year of survey data are featured along with an event-logger that records the past 15 alarm events. A protective concussion-proof overmold protects the unit from abuse in harsh industrial environments. Lifetime warranty.

INDUSTRIAL SCIENTIFIC
GasBadge® Plus Single Gas Monitors

This maintenance-free, single gas monitor is ideal for personal protection from unsafe levels of carbon monoxide, hydrogen sulfide, oxygen, nitrogen dioxide or sulfur dioxide. The unit’s compact size and light weight allow it to be worn comfortably with a variety of clip attachments, and the top-mounted sensor provides continuous and unobstructed protection. The large LCD display features a graphical interface and can be set up to show direct gas readings or just the gas type. The instrument’s two-button operation allows for easy navigation and setup. Continuous event-logging is a standard feature with the past 15 alarm events recorded. Two year warranty. Optional Calibration Stations enable easy instrument maintenance, configuration and data downloading. Stations do not include calibration gas and regulator.
47849
For 17L & 34L Steel Cylinders, 1⁄2L per Minute Flow.

47850
High Pressure Regulators
For 34L, 58L, 74L & 116L Aluminum Cylinders and 103L

47846
Carbon Monoxide, 60 ppm; 34L Steel Cylinder.

47850
Carbon Monoxide Detector

76800
Hydrogen Sulfide Detector

76799
Oxygen Detector

280
www.mathesongas.com   • 877-684-4427

Direct Safety Calibration Gases
47842
Carbon Monoxide, 60 ppm; Hydrogen Sulfide, 20 ppm;
Oxygen 15%; Methane 1.45% Volume (LEL Pentane
Stimulant 58%); 34L Aluminum Cylinder

76800
Carbon Monoxide Detector

76799
Oxygen Detector

76798
Hydrogen Sulfide Detector

High Pressure Regulators
47849
For 17L & 34L Steel Cylinders, 1⁄2L per Minute Flow.

47850
For 34L, 58L, 74L & 116L Aluminum Cylinders and 103L
Steel Cylinder, 1⁄2L per Minute Flow.

3M Organic Vapor, Ethylene Oxide &
Formaldehyde Monitors

These compact monitors clip easily to shirt lapel, collar, or pocket and
don’t interfere with employee activities. Monitors collect certain
organic vapor type airborne contaminants using the scientific
principle of diffusion. A sorbent pad in the base collects and holds
the organic gases and vapors until desorbed for analysis in a
laboratory. Monitors with Prepaid Analysis can be mailed to the
3M-approved laboratory listed on the package for analysis. Monitors
have an 18-month shelf life. This product will ship separately,
direct from the manufacturer.

• 3M™ Organic Vapor Monitor 3500 uses a single charcoal
sorbent pad that will capture a wide range of organic vapors.

• 3M™ Organic Vapor Monitor 3510 with Prepaid Analysis is
the same as the 3500 listed above, but also includes analysis for up
to 3 compounds per monitor, pre-selected from a list of more
than 80 vapors.

• 3M™ Organic Vapor Monitor 3520 has a “double deck”
charcoal sorbent pad with a higher capacity for demanding
applications. Use when the capacity of the 3500 may be
exceeded due to high concentrations, high humidity or
complex mixtures.

• 3M™ Ethylene Oxide Monitor 3550 with Prepaid Analysis
utilizes brominated carbon to collect and convert the reactive
ethylene oxide to a more stable chemical derivative called
2-bromoethanol. This compound is then desorbed with
methylen chloride in methanol. It meets OSHA requirement for
accuracy within +/-25% for an 8-hour samplings at 1 ppm
and the requirement for accuracy within +/-35% for 8-hour samplings
at the 0.5 ppm action limit.

• 3M™ Formaldehyde Monitor 3720 with Prepaid Analysis
uses a bisulfite-impregnated filter and is analyzed by colorimetry.
It can be used for 8 hour TWA sampling to meet the OSHA
requirement of +/-25% accuracy at 0.5 – 5.0 ppm.

78100
Organic Vapor Monitor 3500, 10/Box

78101
Organic Vapor Monitor 3510 with Prepaid Analysis, 5/Box

78071
Ethylene Oxide Monitor 3550 with Prepaid Analysis, 5/Box

113411
Formaldehyde Monitor 3720 with Prepaid Analysis, 5/Box
Air Sampling System

This hand-held ergonomically-designed pump provides quick and precise sampling every time. Tube tip breaker catches the glass ends of each tube and comes standard with each kit. Insert tube in the pump and pull out the pump handle for use. A manufacturer’s lifetime warranty guarantees years of dependable service. 10 tubes per box. This product will ship separately, direct from the manufacturer.

LeadCheck® Instant Lead Testing Swabs

LeadCheck Swabs provide a rapid, sensitive and specific test for leachable lead on any surface. Results are typically obtained in less than 30 seconds. When lead is detected, the swab and/or the surface being tested turn pink or red on contact, depending on the concentration of lead present. Each kit contains test confirmation cards to verify individual test results.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Measuring Range</th>
<th>TLV/TWA</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>57129</td>
<td>LeadCheck® Swabs</td>
<td>0.025 – 3 ppm</td>
<td>0.1 ppm</td>
<td>$35.45</td>
</tr>
<tr>
<td>57130</td>
<td>LeadCheck® Swabs</td>
<td>0.025 – 3 ppm</td>
<td>0.1 ppm</td>
<td>$35.45</td>
</tr>
<tr>
<td>57131</td>
<td>LeadCheck® Swabs</td>
<td>0.025 – 3 ppm</td>
<td>0.1 ppm</td>
<td>$35.45</td>
</tr>
<tr>
<td>57132</td>
<td>LeadCheck® Swabs</td>
<td>0.025 – 3 ppm</td>
<td>0.1 ppm</td>
<td>$35.45</td>
</tr>
<tr>
<td>57133</td>
<td>LeadCheck® Swabs</td>
<td>0.025 – 3 ppm</td>
<td>0.1 ppm</td>
<td>$35.45</td>
</tr>
</tbody>
</table>

We have tubes for over 300 gases and vapors available.

Matheson/Kitagawa
Air Sampling System

This hand-held ergonomically-designed pump provides quick and precise sampling every time. Tube tip breaker catches the glass ends of each tube and comes standard with each kit. Insert tube in the pump and pull out the pump handle for use. A manufacturer’s lifetime warranty guarantees years of dependable service. 10 tubes per box. This product will ship separately, direct from the manufacturer.
Testing Equipment  ISC Calibration Gas

Cylinders Not Included

INDUSTRIAL SCIENTIFIC

Universal Accessories and Calibration Gases

36855 High-Pressure Regulator for 34L Cylinders, ½L per Minute Flow .......................... $179.30
36856 High-Pressure Regulator for 58L & 103L Cylinders, ½L per Minute Flow 212.45
36716 Demand Flow Regulator for 34L (Aluminum) 58L and 103L Cylinders .................. 481.55
36717 Demand Flow Regulator for 34L Cylinders, 600 CGA ........................................... 452.00
36714 Demand Flow Regulator with Pressure Switch for 34L, 58L & 103L Cylinders ... 559.00
36715 Demand Flow Regulator with Pressure Switch for 34L Cylinders, 600 CGA .... 559.00
36857 Bump-Test Regulator with Trigger for 58L & 103L Cylinders .......................... 262.85

Sampling Probes
36795 4' Polycarbonate Probe with Tubing ................................................................. 85.00
36796 6' Extendible Stainless Steel Probe ................................................................. 223.00
36797 1.5' Polycarbonate Probe with Filter ................................................................. 203.00
36798 1.5' Stainless Steel Flue Gas Probe with Filter .................................................... 238.00

Remote Sampling Accessories
36799 Inline High-Capacity Water Stop ................................................................. 111.00
36800 Replacement Gortex Filter for 86799 .......................................................... 20.95
36801 Dust Filter/Water Stop for Motorized Sampling Pumps ...................................... 5.90
36803 Dilution Tube ........................................................................................................... 106.00
36805 Replacement Filters, 5/Pkg .............................................................. 79.95
36807 Tygon Tubing, 1' X ⅛" Inside Dia ................................................................. 2.05
36808 Urethane Tubing, 1' X ¼" Inside Dia ............................................................. 1.30
36809 Urethane Tubing, 1' X ⅛" Inside Dia ............................................................. 2.60

Calibration Gases
36865 Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 34L Cylinder ................................................................. 269.00
36866 Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 58L Cylinder ................................................................. 358.35
36867 Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 103L Cylinder ................................................................. 652.00
36868 Carbon Monoxide, 100 ppm; Carbon Dioxide 2.5%; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 58L Cylinder ................................................................. 333.00
36869 Ammonia, 25 ppm; 58L Cylinder ........................................................................... 520.00
36871 Carbon Dioxide 5%; 103L Cylinder ................................................................. 175.00
36870 Carbon Dioxide 5%; 34L Kit with 34L Zero Air .................................................... 732.35
36788 Carbon Monoxide, 100 ppm; 103L Cylinder .................................................. 181.00
36872 Carbon Monoxide, 100 ppm; 34L Kit with 34L Zero Air ..................................... 334.85
36873 Isobutylene, 100 ppm; 103L Cylinder ............................................................... 208.00
36790 Nitrogen Dioxide, 5 ppm; 58L Cylinder ............................................................... 510.00
36874 Nitrogen Dioxide, 25 ppm; 58L Kit ................................................................. 795.65
36791 Sulfur Dioxide, 5 ppm; 58L Cylinder ................................................................. 212.00
36875 Sulfur Dioxide, 10 ppm; 58L Kit ................................................................. 510.60
36789 Hydrogen Sulfide, 25 ppm; 58L Cylinder ............................................................. 212.00

Calibration Accessories
36862 Carrying Case for Two 58/103L Cylinders ......................................................... 99.95
36864 34L Cylinder Recycling Tool .................................................................................. 184.95
36863 58/103L Cylinder Recycling Tool ......................................................................... 184.95

Instrument Carrying Cases
36815 Pelican® High Impact Carry Case, Dust/Water Tight ......................................... 359.95
36816 Instrument & Accessory Carrying Case with Foam Insert .................................. 215.00

www.mathesongas.com    •    877-684-4427

Cylinders Not Included
**INDUSTRIAL SCIENTIFIC**

**AirAware™ Fixed Single Gas Monitors**

These monitors are a logical choice for those critical areas that require continuous monitoring, but not the environmental protection of an explosion-proof enclosure. Each unit is equipped with electrochemical sensing technology, dual alarm LEDs, a digital display providing real-time readings and push-button operation. Low/high alarm visual indicators and audio alarms alert users to gas hazards. Units offer single button calibration, alarm muting and zero air functions.

- **Monitors** come with an AC adaptor.
- **Carbon Monoxide Control/Transmit** unit features a 4-20 mA output to connect the unit to any control device. Dual-alarm relays turn on fans or warning sirens, or to shut down a process. Unit offers 12/24 VDC operation.
- **Calibration Adaptor Assembly** includes the adaptor, tubing and reducer.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36876</td>
<td>Aluminum Single Gas Monitor – Onboard Carbon Monoxide with Relays</td>
<td>$992.00</td>
</tr>
<tr>
<td>36877</td>
<td>Stainless Steel Dual Gas Monitor – On-Board LEL with Relays, Remote Hydrogen Sulfide</td>
<td>3,198.00</td>
</tr>
</tbody>
</table>

**Replacement Sensors**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36884</td>
<td>Ammonia</td>
<td>505.00</td>
</tr>
<tr>
<td>36886</td>
<td>Carbon Monoxide</td>
<td>334.50</td>
</tr>
<tr>
<td>36887</td>
<td>Chlorine</td>
<td>403.95</td>
</tr>
<tr>
<td>36888</td>
<td>Hydrogen</td>
<td>505.00</td>
</tr>
<tr>
<td>36890</td>
<td>Hydrogen Sulfide</td>
<td>334.50</td>
</tr>
<tr>
<td>36891</td>
<td>Nitrogen Dioxide</td>
<td>403.95</td>
</tr>
<tr>
<td>36892</td>
<td>Oxygen</td>
<td>201.80</td>
</tr>
<tr>
<td>36893</td>
<td>Sulfur Dioxide</td>
<td>403.95</td>
</tr>
<tr>
<td>36894</td>
<td>Carbon Monoxide</td>
<td>334.50</td>
</tr>
<tr>
<td>36895</td>
<td>LEL Infrared Methane Calibration, Channel 1</td>
<td>999.00</td>
</tr>
<tr>
<td>36896</td>
<td>LEL Infrared Methane Calibration, Channel 2</td>
<td>999.00</td>
</tr>
<tr>
<td>36897</td>
<td>LEL Infrared Pentane Calibration, Channel 1</td>
<td>999.00</td>
</tr>
<tr>
<td>36898</td>
<td>LEL Infrared Pentane Calibration, Channel 2</td>
<td>999.00</td>
</tr>
</tbody>
</table>

**Calibration Gases**

Choose from a variety of Calibration Gases. Regulators provide the proper flow rate for calibrating your gas detection instrument. This product will ship separately, direct from the manufacturer.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>47841</td>
<td>Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 34L Aluminum Cylinder</td>
<td>$212.15</td>
</tr>
<tr>
<td>47842</td>
<td>Carbon Monoxide, 60 ppm; Hydrogen Sulfide, 20 ppm; Oxygen 15%; Methane 1.45% Volume (LEL Pentane Stimulant 58%); 34L Aluminum Cylinder</td>
<td>212.15</td>
</tr>
<tr>
<td>47843</td>
<td>Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 18%; LEL Methane 50%; 34L Aluminum Cylinder</td>
<td>212.15</td>
</tr>
<tr>
<td>47844</td>
<td>Carbon Monoxide, 50 ppm; 34L Aluminum Cylinder</td>
<td>151.55</td>
</tr>
<tr>
<td>47845</td>
<td>Hydrogen Sulfide, 25 ppm; 34L Aluminum Cylinder</td>
<td>151.55</td>
</tr>
<tr>
<td>47846</td>
<td>Carbon Monoxide, 60 ppm; 34L Steel Cylinder</td>
<td>76.00</td>
</tr>
<tr>
<td>47847</td>
<td>Ammonia, 25 ppm; 58L Aluminum Cylinder</td>
<td>460.55</td>
</tr>
<tr>
<td>47848</td>
<td>Carbon Monoxide, 100 ppm; Hydrogen Sulfide, 25 ppm; Oxygen 19%; LEL Pentane 25%; 58L Aluminum Cylinder</td>
<td>257.60</td>
</tr>
</tbody>
</table>

**High Pressure Regulators**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>47849</td>
<td>For 17L &amp; 34L Steel Cylinders, 1/2L per Minute Flow</td>
<td>162.50</td>
</tr>
<tr>
<td>47850</td>
<td>For 34L, 58L, 74L &amp; 116L Aluminum Cylinders and 103L Steel Cylinder, 1/2L per Minute Flow</td>
<td>162.50</td>
</tr>
<tr>
<td>47851</td>
<td>For 34L, 58L &amp; 74L Aluminum Cylinders and 103L Steel Cylinder, 1/2L per Minute Flow</td>
<td>162.50</td>
</tr>
</tbody>
</table>

**Demand Flow Regulator**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>47852</td>
<td>For 34L, 58L &amp; 74L Aluminum Cylinders and 103L Steel Cylinder</td>
<td>308.35</td>
</tr>
</tbody>
</table>

**www.mathesongas.com** • 877-684-4427
Testing Equipment  Sound Meters

Type 2 Sound Meter
This two range meter measures ranges from 35-90dB and 75-130dB. The data hold and max hold functions allow for the display of current and highest readings. Backlit display makes for easy viewing in low-light areas. Unit measures 8.2”H X 2.1”W X 1.25”D and comes with a microphone windscreen and 9-volt battery. Calibrator calibrates and verifies sound level meter operation. Meets ANSI Type 2 standards.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25947</td>
<td>$196.40</td>
<td>Meter</td>
</tr>
<tr>
<td>13761</td>
<td>$365.00</td>
<td>Meter with NIST</td>
</tr>
<tr>
<td>25951</td>
<td>$449.60</td>
<td>Calibrator</td>
</tr>
</tbody>
</table>

Calibrator calibrates and verifies sound level meter operation. Meets ANSI Type 2 standards.

Analog Sound Level Meter
Calculate noise levels from 54-126dB with an accuracy of +/- 2dB. Unit offers fast or slow time response time readings and A or C decibel weighting scales. The max hold function allows for the display of the highest reading. This unit measures 7.1”H X 2.7”W X 1.4”D and comes with a 9-volt battery.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25949</td>
<td>$87.40</td>
<td>Meter</td>
</tr>
</tbody>
</table>

Digital Sound Level Meter
Perform basic noise level surveys and calculate noise levels. Meter measures ranges from 40-130dB with an accuracy of +/- 2dB. The analog bargraph, with 50dB range, updates every 40 minutes. The record max/min functions track highest and lowest readings over time and the max hold function allows for the display of the highest reading. This tripod mountable unit measures 9”H X 2.2”W X 1.7”D and comes with a microphone windscreen and four AAA batteries. Calibrator calibrates and verifies sound level meter operation.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25905</td>
<td>$101.50</td>
<td>Meter</td>
</tr>
<tr>
<td>13762</td>
<td>$259.35</td>
<td>Meter with NIST</td>
</tr>
<tr>
<td>25951</td>
<td>$449.60</td>
<td>Calibrator</td>
</tr>
</tbody>
</table>

Personal Noise Dosimeter
This low cost and easy-to-use dosimeter is ideal for personal accumulated noise exposure measurement, workplace noise assessment and OSHA compliance surveys. Unit measure sound levels from 70-140dB and features adjustable criterion level, exchange rate and threshold level. Datalogger stores up to five dosimeter surveys. Data stored includes start/stop time, percentage dose, TWA and peak flags. Windows® compatible software can be used to control setup, retrieve stored events or analyze real time measurements. Unit measures 4.2”L X 2.5”W X 1.3”D and includes a belt clip, clip-on microphone, mini screwdriver, software, computer cables and adapter, four AAA batteries and carrying case. Calibrator calibrates and verifies sound level meter operation. Meets ANSI Type 2 standards.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25949</td>
<td>$708.15</td>
<td>Meter</td>
</tr>
<tr>
<td>25951</td>
<td>$449.60</td>
<td>Calibrator</td>
</tr>
</tbody>
</table>

www.mathesongas.com   •  877-684-4427
AC Voltage Detectors

Use for non-contact detection of AC voltage from 100 – 600 VAC. The tip fits into outlets or against wire insulation. Unit can be used on 50/60Hz circuits and features a flashing red LED light indicator. Detector is also available with Incandescent Flashlight. Units come with two AAA batteries and are CAT III-600V CE approved and UL listed.

A. 25903 Detector ...................... $13.25 12.60
B. 25904 Detector with Flashlight ....... 16.80 16.00

Mini Infrared Thermometers

Measure the surface temperature of hot or moving objects from a safe distance. Built-in laser pointer identifies target area. Backlighting illuminates display for taking measurements in dark areas. Automatic data hold activates when trigger is released. Both models come with a 9-volt battery and case.

- Mini IR Thermometer has a measuring range of -4 – 500°F with an accuracy of +/- 4° and a 6:1 field of view
- Wide Range Mini IR Thermometer has a measuring range of -58 – 1000°F with an accuracy of +/- 1.8°, 0.1° resolution up to 199.9° and an 8:1 field of view

A. 25550 Mini IR ..................... $106.70 101.40
B. 25902 Wide Range Mini IR ..... 123.55 117.40

Stopwatch

This Stopwatch counts up to 24 hours accurate to +/- 3 seconds per day. Stopwatch measures elapsed time and split time measurements. Unit measures 2.8"H X 2.3"W X 0.5"D.

• 12 or 24 hour clock with hourly chimes
• Calendar that displays day, month and date
• Water-resistant housing
• 39" neck strap
• Battery included

40241 ........................................ $25.25

Electrical Outlet Tester

Electrical Outlet Tester will indicate circuit condition for 3-wire outlets – correct, open ground, open neutral, open hot, hot/ground reversed or hot neutral reversed. GFCI Electrical Outlet Tester has all the same functions, plus it will trip the GFCI to confirm that it is operational. UL listed.

A. 25534 Electrical Outlet Tester ........ $9.75 9.30
B. 25535 GFCI Electrical Outlet Tester .... $21.75 20.70

If you have questions, we have answers. Call or visit our website.

www.mathesongas.com • 877-684-4427

www.mathesongas.com