

BISCO Environmental, Inc.

# Rentals, Repairs & Sales





## Contact and terms.

### West Coast Headquarters

Phone: (714) 998-6788 (8:00 a.m. to 5:00 p.m. Pacific Time)

Fax: (714) 998-7382

Mail: BISCO Environmental, Inc.  
476 West Meats Avenue  
Orange, CA 92865 USA

### Northern California

Phone: (916) 638-8267 (8:00 a.m. to 5:00 p.m. Pacific Time)

Fax: (916) 638-8295

Mail: BISCO Environmental, Inc.  
11440 Sunrise Gold Circle - Ste 2  
Rancho Cordova, CA 95742 USA

### Pricing Policy:

All goods are priced Net FOB, Orange, California, USA. Prices and products are subject to change. Please inquire for most recent pricing. Contact us if you have any questions.

### Payment:

We accept Visa, Master Card, Discover, American Express and accounts. We will also take cash, checks drawn on a US Bank, wire transfers, and cashiers checks as forms of payment. If using a Letter of Credit, there will be an additional bank fee of \$350USD per LC. Some items may require a deposit before being manufactured.

### Shipping:

Shipments will be shipped best available method or per your instructions. Several shipping methods are available. Shippers we prefer to use are UPS, DHL, FedEx, U.S. Post and Kintetsu. All orders are shipped complete unless otherwise specified.

### Products:

If you cannot find a product in our catalog, or are unsure if we can supply a product, please inquire. We have many products which are not listed, but are still available.

### Repairs:

We can do most repairs, however we have an initial bench fee of \$25 which is due before the inspection. If we repair the instrument the bench fee will be applied towards the final repair.

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# About Us

**BISCO** Environmental is pleased to offer a wide range of handheld equipment from the best companies in the business. You can rent or purchase the latest and most sophisticated equipment on the market. Our technical staff is standing by.

- Complete rental inventory of PID's, LEL/O2 gas monitors, multi gas meters, water quality instruments, purge and sampling pumps, IAQ monitors, and more.
- Long-term rental and maintenance programs.
- In stock of field and safety supplies that include: bailers, string, tubing, calibration gases and standards, gloves, .45micron GWF and more.
- Visit our website [biscoenv.com](http://biscoenv.com) with rental reservations form.

Some of our featured product line includes but not limited to:

- **Rae Systems**
- **Heron**
- **SemperMed Gloves**
- **YSI Instruments**
- **Voss Bailers**
- **Aqua Bailers**
- **Solnist**
- **Horiba**
- **Oakton**

Thank you again for this opportunity to provide you and your company with information on how we can be of service to you for future projects. If you have any questions or would like to place an order or reservation please call (714) 998 - 6788 or email [sales@biscoenv.com](mailto:sales@biscoenv.com)

Best regards  
*Your BISCO Team*

# Photo Ionization Detectors (PID)

## MiniRAE 3000 by RAE Systems

The MiniRAE 3000 is the most advanced handheld volatile organic compound (VOC) on the market. Its Photoionization Detector's (PID) extended range of 0 to 15,000 ppm makes it an ideal instrument for applications from industrial hygiene, to leak and hazmat detection.

- » Proven PID technology
- » The patented sensor provides the following unique features:
  - a 3-second response time
  - extended range up to 15,000 ppm with improved linearity
  - humidity compensation with inbuilt humidity and Temperature sensors
- » Real-time wireless data transmission with built-in RF modem or Bluetooth
- » Design for service Easy access to lamp and sensor in seconds without tools
- » Big Graphic display for easy overview of gas type, Correction Factor and concentration
- » Field interchangeable battery pack in second's without tools
- » Integrated Flash Light for better view in dark conditions
- » User friendly screens including plot view chart view
- » Inbuilt full RAE Systems 350 compounds correction factors list measure more chemicals than any other PID
- » Multilanguage support with 10 languages encoded
- » Rugged housing withstands use in harsh environments
  - IP67 Waterproof design for easy cleaning and decontamination in water
  - Strong protective removable Rubber Boot



### Description

MiniRAE 3000

## MiniRae 2000 by RAE Systems

The MiniRAE 2000 Photo-Ionization Detector (PID) uses a new 3-D sensor technology which allows detection of toxic gases and vapors in the low ppm range (0 -10,000 ppm).

### PID 3-D Sensor:

- » Easily accessible lamp and sensor
- » Reduced humidity interference
- » Improved linearity & Increased sensitivity
- » Extender Range 0-10,000ppm

### Battery:

- » Smart battery charging
- » Field replaceable battery pack
- » 10 hours of continuous use
- » Car charger available

### Sample Pump:

- » Unit will draw up to 100'
- » Built in Pump Stall reference
- » Prevents liquid entering the monitor
- » Warning of blocked or crimped tubing

### Other Key Features:

- » 5" Robust Probe
- » Direct Read Monitor
- » Intrinsic Safe
- » Large Key Pad



### Description

MiniRae 2000 w/10.6 eV lamp NimH & Charger

MiniRae 2000 w/11.7 eV lamp NimH & Charger

# Photo Ionization Detectors (PID)

## MiniRAE Lite by RAE Systems



The MiniRAE Lite is the most reliable handheld volatile organic compound (VOC) monitor on the market. Its photoionization detector's (PID) range of 0 to 5,000 ppm makes it an ideal instrument for applications ranging from environmental to construction.

- » The patented sensor provides the following unique features:
  - a 3-second response time
  - extended range up to 5,000 ppm
  - humidity compensation
- » Designed for service - Easy access to lamp and sensor in seconds without tools
- » Big graphic display for easy overview of concentration
- » Field-interchangeable battery pack, replaceable in seconds without tools
- » Integrated flashlight for better visibility in low light
- » Multi-language support with 12 languages encoded
- » Rugged housing withstands use in harsh environments

### Description

MiniRAE Lite

## UltraRAE by RAE Systems



The UltraRAE is a quick, spot-check monitor typically used by occupational health, safety, and environmental personnel. The combination filter tube and Photoionization Detector (PID) removes the disadvantages associated with colorimetric tubes and gas chromatographs. The UltraRAE has the advantage of providing a fast, continuous reading and datalogging of concentrations of Benzene, Methylene Chloride, or Butadiene. Applications include tank entry pre-screening during refinery and plant maintenance, hazardous material response, marine spill response, and refinery down-stream monitoring.

- » The only compound specific monitor with combination of interchangeable separation tubes and PID
- » 3-10 times faster analysis compared to conventional tube or portable gas chromatograph methods: Results obtained in seconds rather than minutes; detects benzene down to 0.1 ppm in 60 seconds
- » Built-in Bar Code Reader allows easy switching between total VOCs and benzene-specific measurements
- » 3,000 point datalogging storage capacity for data download
- » Excellent range and linearity: Good down to 0.1 ppm and up to over 200 ppm benzene (no more GC column over-load problems); more accurate than gas detection tubes
- » Internal pump allows you to sample deep (up to 30ft or 10m) into a confined space; prevents liquid flow into the monitor and warns if sample tubing is blocked or crimped
- » Inexpensive analysis using low cost RAE-Sep™ tubes in place of gas detection tubes
- » Cheaper than portable GC and no annual factory calibration
- » Large keys are operable even with 3 layers of gloves
- » Large easy-to-read back light display that is alarm-, darkness-, or manually-activated
- » Optional vibration alarm
- » Snap-in rechargeable or alkaline battery pack provides 10 hours of operation with smart battery charging

### Description

UltraRAE

# Photo Ionization Detectors (PID)

## ppbRAE 3000 by RAE Systems

The ppbRAE 3000 is the most advanced handheld volatile organic compound (VOC) on the market. Its Photoionization Detector's (PID) extended range of 1 ppb to 10,000 ppm makes it an ideal instrument for applications from HazMat/Homeland Security, industrial hygiene, to Indoor Air Quality and military applications.

The RF modem allows real-time data transmissions with a base controller located up to 500 feet (or two-miles with optional RAELink2 portable modem) away from the ppbRAE 3000 detector. A personal computer can be used as the base station for a ppbRAE 3000 system. The standard ProRAE Remote software is capable of monitoring the input of up to 64 remotelylocated monitors like ppbRAE 3000, or AreaRAE, etc.



- » Proven PID technology
- » The patented sensor provides the following unique features:
  - a 3-second response time
  - extended range up to 10,000 ppm with improved linearity
  - humidity compensation with inbuilt humidity and Temperature sensors
- » Real-time wireless data transmission with built-in RF modem or Bluetooth
- » Design for service Easy access to lamp and sensor in seconds without tools
- » Big Graphic display for easy overview of gas type, Correction Factor and concentration
- » Field interchangeable battery pack in second's without tools
- » Integrated Flash Light for better view in dark conditions
- » User friendly screens including plot view chart view
- » Inbuilt full RAE Systems 350 compounds correction factors list measure more chemicals than any other PID
- » Multilanguage support with 10 languages encoded
- » Rugged housing withstands use in harsh environments
  - IP67 Waterproof design for easy cleaning and decontamination in water
  - Strong protective removable Rubber Boot

### Additional Advantages:

- » View real-time sensor data and alarm status at headquarters or command Center
- » Automatic lamp type recognition
- » Duty-cycling™ lamp and sensor autocleaning technology
- » Tough, flexible inlet Flexi-Probe™
- » Large 3 keys operable with 3 layers of gloves
- » Strong, built-in sample pump draws up to 100 feet (30m) horizontally or vertically
- » Loud 95 dB audible alarm
- » Bright red flashing visual alarm
- » Interchangeable Drop-In Lithium-ion and alkaline battery packs
- » Charging cradle doubles as an external battery charger
- » ProRAE Remote software simultaneously controls and displays readings for up to 64 remote detectors
- » License free, ISM band RF transmission with communication range up to 500 feet 2 miles (with optional)
- » Optional RAELink III modem provides GPS capability to track and display readings from remote detectors as well as 2 miles long distance transmission
- » Data logging with up to 6 months of data at one-minute intervals
- » 3-year 10.6eV lamp Warranty Unit will draw up to 100'

### Description

ppbRAE 3000

# Confined Space Monitors

## MultiRae IR by RAE Systems



The MultiRAE IR combines a PID (Photoionization Detector) and Carbon Dioxide (CO<sub>2</sub>) sensor with O<sub>2</sub>, LEL, and one specific toxic gas sensor in one compact monitor with sampling pump. The MultiRAE IR's versatility allows it to replace a wide range of monitors, saving training and maintenance costs. The MultiRAE IR is quickly and easily changed from a sophisticated technician instrument to a simple text or display only monitor. The same monitor can be used as a personal monitor, a hand-held sniffer or as a continuous, operational area monitor for use in applications such as indoor air quality and industrial hygiene.

- » O<sub>2</sub>, LEL, PID, and any two plug-in "smart" toxic sensors: CO, H<sub>2</sub>S, SO<sub>2</sub>, NO, NO<sub>2</sub>, Cl<sub>2</sub>, HCN, NH<sub>3</sub>, PH<sub>3</sub>
- » 0-20,000 ppm measurement of CO<sub>2</sub> using our patented non-dispersive infrared (NDIR) sensor
- » 0-2,000 ppm measurement of VOCs (volatile organic compounds) with 0.1 ppm resolution
- » Measure more chemicals than with any other PID: With over 60 Correction Factors built into the MultiRAE IR memory and the largest printed list of Correction Factors in the world (300+), RAE Systems offers the ability to accurately measure more ionizable chemicals than any other PID!
- » Drop-in Battery: When work schedules require putting in more than the 12 hours supplied by the advanced Lithium-ion (Li-ion) battery, the drop in alkaline pack supplied with every MultiRAE IR allows you to finish the job
- » User friendly screens make it easy to use for simple applications and flexible enough for sophisticated options
- » Rugged Rubber Boot: The standard rubber boot helps assure that the MultiRAE IR survives the bumps and knocks of tough field use

### Description

MultiRea IR LEL, O<sub>2</sub>, CO<sub>2</sub>

MultiRea IR LEL, O<sub>2</sub>, CO<sub>2</sub> w/PID

## EntryRae by RAE Systems



The typical confined space monitor measures oxygen, combustibles, carbon monoxide, and hydrogen sulfide.

When doing confined space work today, you need the added broadband protection of a PID.

The EntryRAE is a 4-gas monitor, plus photoionization detector (PID). Reliable, easy to operate, and simple to calibrate, the EntryRAE delivers added protection without added complexity. Combine a PID and a 4-gas monitor and you have true protection from the unexpected.

- » Industrial hygiene work
- » Reliable, self-cleaning VOC detector
- » Also includes CO, H<sub>2</sub>S, LEL, and O<sub>2</sub> sensors
- » Simple to operate and easy to calibrate
- » Datalogging included - and automatic
- » Bright red flashing LED alarms and loud audible alarms
- » Up to 16 hours of continuous operation
- » Charging cradle doubles as an external battery charger
- » Powerful pump allows sample-draws up to 100 feet (30 meters)

### Description

UltraRAE



# Confined Space Monitors

## MultiRae Plus by RAE Systems

The MultiRAE Plus combines a PID (Photoionization Detector) with the standard four gases of a confined space monitor ( $O_2$ , LEL, and two toxic gas sensors) in one compact monitor with sampling pump. Like the Leatherman™ tool, the MultiRAE Plus gets the job done in more circumstances than any other gas detector.

With more than 10,000 units in the field today, its versatility makes it the gas meter of choice for some of the highest profile HazMat/WMD teams in the United States. The MultiRAE Plus is quickly and easily changed from a sophisticated technician instrument to a simple text-only monitor. The same monitor can be used as a personal monitor, a hand-held sniffer, or as a continuous operational area monitor.

The MultiRAE Plus detector can be made wireless with the use of RAELink2. This allows real-time monitoring information from the detector to be integrated into an existing AreaRAE system. A wireless, RF (radio frequency) modem allows detectors equipped with Firmware version 1.20 or higher to communicate and transmit readings and other information on a real-time basis with a remotely located AreaRAE base controller up to two miles away.



- »  $O_2$ , LEL, PID, and any two plug-in "smart" toxic sensors: CO,  $H_2S$ ,  $SO_2$ , NO,  $NO_2$ ,  $Cl_2$ , HCN,  $NH_3$ ,  $PH_3$
- » 0-2,000 ppm measurement of VOCs (volatile organic compounds) with 0.1 ppm resolution
- » Measure more chemicals than with any other PID: With over 60 Correction Factors built into the MultiRAE Plus memory and the largest printed list of Correction Factors in the world (300+), RAE Systems offers the ability to accurately onizable chemicals than any other PID!
- » Drop-in Battery: When work schedules require putting in more hours than the 14 hours supplied by the advanced Lithium ion (Li-ion) battery, the drop-in alkaline pack supplied with every MultiRAE Plus allows you to finish the job
- » User friendly screens make it easy to use for simple applications and flexible enough for sophisticated options
- » Rugged Rubber Boot assures that the MultiRAE Plus survives the bumps and knocks of tough field use
- » Strong, built-in sample pump draws up to 100 feet (30m) horizontally or vertically
- » Large external filter and automatic low flow alarm protect the MultiRAE Plus from damage
- » Large keys are operable even with 3 layers of gloves
- » Easy-to-read display with backlight
- » Store up to 80 hours of data at one minute intervals for all 5 sensors for download to PC (with the optional datalogging)
- » Loud audible alarm that varies for different alarm conditions and an optional external vibration alarm for noisy areas
- » Access sensors and battery in seconds with the new, improved case

Toxic Sensors Available:			
$O_2$	LEL	PID	CO
$H_2S$	$SO_2$	NO	$NO_2$
$Cl_2$	HCN	$NH_3$	$PH_3$

### Description

MultiRae Plus Monitor LEL,  $O_2$ , CO,  $H_2S$

# Confined Space Monitors

## VRAE by RAE Systems



VRAE is a hand held one-to-five gas monitor with built-in sampling pump and optional data logging. Sensors include new RAE dual range 0-100% Volume and 0-100% LEL, oxygen, and three or four smart, interchangeable toxic sensors may be added. The dual range combustible sensor can monitor explosive gases in an oxygen-free environment at percent-by-volume levels. The internal pump automatically shuts off and an alarm is activated if the remote probe tubing crimps or liquid is sucked onto the field-replaceable filter.

- » Large, alarm-activated back light LCD display
- » 16,000 data points download to PC
- » Snap-in, field replaceable rechargeable battery with up to 10 hours of continuous operation
- » Protected from portable radios
- » Internal sample draw pump for quick response and remote sampling
- » 48 built-in correction factors for LEL sensors
- » Rigid inlet probe & collection port
- » 4 toxic sensor version

Toxic Sensors Available:		
CO	H <sub>2</sub> S	SO <sub>2</sub>
NO	NO <sub>2</sub>	Cl <sub>2</sub>
HCN	NH <sub>3</sub>	PH <sub>3</sub>

### Description

- VRAE Monitor LEL, O<sub>2</sub>
- VRAE Monitor LEL, O<sub>2</sub>, CO
- VRAE Monitor LEL, O<sub>2</sub>, CO, H<sub>2</sub>S
- VRAE Monitor LEL, O<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub>

## QRAE by RAE Systems



The QRAE is a dedicated confined space entry monitor with an internal pump. Its durable, rechargeable, standard Lithium-ion batteries provide a 12-hour day of detecting combustibles, oxygen, hydrogen sulfide, and carbon monoxide. The extended duration Lithium-ion battery option provides up to 18 hours of continuous operation.

- » Reliable plug-in "smart" sensors: Combustible, Oxygen, Hydrogen Sulfide, Carbon Monoxide
- » Robust external casing for harsh environments, including a strong protective rubber boot, water and dust resistance, rugged ABS plastic/metal case, and protection from portable radio interference (RFI)
- » Ease of use with one-hand operation; one button calibration with auto zero capability
- » Strong built-in sample draw pump, with a flow rate at 150cc/min optional and collapsible remote sampling probe, prevents liquid flow into monitor and its patented security mechanism warns of sample tube crimping or blockage
- » Standard 20,000 point (or 100 hours) datalogging storage capacity for download to PC (compatible with Windows 98, NT, 2000, and XP)

### Description

- QRAE Monitor LEL, O<sub>2</sub>, CO, H<sub>2</sub>S

# Confined Space Monitors

## QRAE II by RAE Systems

The QRAE II is available as a diffusion or pumped one-to-four gas monitor for detection of combustibles, oxygen, hydrogen sulfide, carbon monoxide, or sulfur dioxide. Key features include an easy-to-change battery pack, a water-resistant case and a new state-of-the-art O2 sensor.

- » Patented SPE O2™ Oxygen sensor unique features:
  - Lead-free design that complies with RoHS directive
  - Extended life compared to lead-type electrochemical oxygen sensors, resulting in a low cost of ownership
  - Leak-free design, minimizing downtime
- » Best EMI/RFI immunity technology for products in its class, eliminating radio interference
- » Easy access to sensors, filter and battery compartment without exposing electronic components to potential damage
- » IP-65 Water- and dust-resistant case
- » Strong, protective concussion-proof design



### Description

QRAE II Monitor O<sub>2</sub>, CO, H<sub>2</sub>S, Combustibles

## QRAE Plus by RAE Systems

QRAE Plus by RAE Systems is a full-featured, compact, one-to-four sensor confined space gas detector. Its features include easy-to-change, externally accessed battery packs (available in both alkaline and rechargeable versions) and water-resistant case design. The rechargeable, Lithium-ion battery pack provides up to 20 hours of continuous operation. The QRAE Plus includes 16,000 datalogging points of storage capacity for download to PC compatible with Windows 98, NT, 2000, and XP.

- » One-to-four plug-in "smart" sensors: Combustible, Oxygen, Hydrogen Sulfide, Carbon Monoxide
- » Optional substance-specific toxic sensors: Sulfur Dioxide (SO<sub>2</sub>), Nitric Oxide (NO), Nitrogen Dioxide (NO<sub>2</sub>), Chlorine (Cl<sub>2</sub>), Hydrogen Cyanide (HCN), Ammonia (NH<sub>3</sub>), Phosphine (PH<sub>3</sub>)
- » Rechargeable Lithium-ion battery pack provides up to 20 hours (more than 2 work shifts) of continuous operation
- » Rugged housing withstands use in harsh environments with a water and dust resistant case and strong protective rubber boot
- » Highly resistant to radio frequency and other electromagnetic interference
- » Strong, built-in sample draw pump with optional collapsible sample-probe
- » Also available in diffusion configuration



### Description

QRAE PlusI Monitor LEL, O<sub>2</sub>, CO, H<sub>2</sub>S, Combustibles

# Confined Space Monitors

## Beacon 110 Model RKI Instruments



The Beacon 110 is a powerful, low cost fixed system controller for one point of gas detection. It is microprocessor controlled, versatile, simple to install and operate, and priced to be the industry's best value single gas detection controller. It is capable of accepting RKI sensors directly for LEL level combustibles, Oxygen, Hydrogen Sulfide, or Carbon Monoxide. The Beacon 110 can also accept any 4-20 mA transmitter (2 or 3 wire, 24 VDC). Sensors can be mounted directly at the Beacon 110 housing, or can be wired remote from the controller.

The Beacon 110 is also housed in a NEMA 4X rated case for a weather tight seal. This case design complies with lock out / tag out standards and can be fully secured. An external reset switch allows the alarm to be silenced from outside of the controller housing. The Beacon 110 ships complete with a wall mounting kit for easy installation.

- » Low cost versatile solution
- » Compact, weatherproof, NEMA 4X enclosure
- » 115/220 VAC or 24 VDC operation
- » Long life sensors (2+ years typical)
- » Accepts RKI LEL/O<sub>2</sub>/H<sub>2</sub>S/CO direct connect sensors
- » Accepts any 4-20 mA transmitter

### Description

Beacon 110 Model

## M2™ RKI Instruments



The RKI M2™ is a state-of-the-art transmitter that can operate as an independent, stand-alone system or as part of a system connected with an analog or digital signal to virtually any controller, PLC, or DCS. The M2 series detects LEL combustibles, oxygen, hydrogen sulfide, or carbon monoxide. It utilizes a magnetic wand technique for performing non-intrusive calibration. The M2 provides an automatic zero drift correction feature, which results in more stable readings and reduces the need for adjustments due to sensor aging.

The M2 housing does not need to be opened for zeroing or calibration, making it unnecessary to declassify the area for routine maintenance. Internal push-buttons can also be used if the housing is opened. It is designed so that a complete field calibration can be performed by one person. The stainless steel flame arrestor that covers the sensor (LEL, H<sub>2</sub>S, CO, or XP Oxygen) is water repellent with a special patented water resistant coating.

- » Operates independent of a controller
- » Direct digital readout on backlit LCD
- » Available for LEL, H<sub>2</sub>S, CO, and O<sub>2</sub>
- » 4-20 mA & digital Modbus outputs standard
- » Non-intrusive calibration via magnetic wand
- » 2 fully programmable alarm relays & fail relay
- » H<sub>2</sub> specific LEL version available

### Description

M2 Series: LEL, O<sub>2</sub>, CO, H<sub>2</sub>S, LEL, H<sub>2</sub>S, CO<sub>2</sub>, HC

# Personal Monitor

## Personal 4-in-1 gas monitor by RKI Instruments

The GX-2003s large LCD display shows all gas readings, battery level, current time, and will automatically backlight in alarm conditions. This unit also has a special bar hole mode to facilitate locating underground gas leaks. A high sensitivity leak check mode is also included, and provides ppm level detection of gas leaks. A special variable frequency alarm helps to pinpoint the leak without looking at the instrument display. Other standard mode alarm types include vibration, visual, and audible alarms that can be set to latching or non-latching. Controlled by a microprocessor, the GX-2003 continuously checks itself for sensor connections, low battery, circuit trouble, low flow, and calibration errors. The GX-2003 can interchangeably operate on either a Ni-MH battery pack or 3 AA alkaline batteries. The batteries are simple to replace requiring no tools to access the battery compartment. The Ni-MH battery pack can receive a charge directly within the instrument or separately, allowing the unit to remain in service.



- » Three operating modes:
  - » Normal, Bar Hole, and Leak Check
  - » Monitors LEL, and % volume methane, O<sub>2</sub>, and CO (optional H<sub>2</sub>S)
  - » Barhole mode tests for peak methane and oxygen levels
  - » Leak detect mode offers high sensitivity tests for ppm level natural gas leaks
  - » 0 to 100% volume Methane
  - » Auto-ranging display of % volume and % LEL

### Description

GX-2003 Model

## EAGLE™ Model by RKI Instruments

For quick response and recovery, the EAGLE has a strong internal pump which can draw samples from over 125 feet. The EAGLE will continuously operate for over 30 hours on alkaline batteries or 18 hours on Ni-Cads. Many accessories such as long hoses, special probes, data-logging, continuous operation adapters, remote alarms and strobes, dilution fittings, internal hydrophobic filter, etc, are available to help satisfy almost any application. Rugged, weather resistant, easy to operate and maintain, the EAGLE is the industry's answer to portable gas detection in many applications, including land survey.



- » Simultaneous detection of up to 6 different gases
- » Wide variety of field proven gas sensors available
- » IR Sensors available for CO<sub>2</sub>, % LEL CH<sub>4</sub>, and 0-100% volume CH<sub>4</sub>
- » Transformer testing version available
- » PPM / LEL hydrocarbon detection
- » Powerful long-life pump with 125' range

### Description

EAGLE Model

# Personal Monitor

## ToxiRAE II by RAE Systems



The ToxiRAE II is a single gas, personal protection monitor that continuously displays toxic gas concentrations. It costs just a little more than disposable detectors. Unlike typical disposables that only display "remaining life", the ToxiRAE II is a full-featured gas monitor providing continuous, digital display of the gas concentration, STEL, TWA, and Peak values as well as high, low, TWA, and STEL alarms.

A simple to use one-button product, the ToxiRAE II is easy to calibrate. Use the pre-set alarms, or modify the alarms to meet your specific requirements. In contrast to disposables that are turned on once and remain on until their batteries expire, you decide when and where to use your ToxiRAE II and you turn it on and off accordingly.

- » Large, easy-to-read continuous display of gas concentration in ppm
- » Displays STEL, TWA, and Peak values
- » Sensors available: H<sub>2</sub>S, CO, O<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, ClO<sub>2</sub>, HCN, NO, NO<sub>2</sub>, PH<sub>3</sub>, SO<sub>2</sub>
- » User adjustable high, low, STEL, and TWA alarms
- » Holds Peak values
- » Simple calibration
- » Durable, highly impact-resistant, carbon loaded ABS housing
- » Highly resistant to RFI interference

### Description

ToxiRAE II Monitor LEL, H<sub>2</sub>S, CO, O<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, ClO<sub>2</sub>, HCN, NO, NO<sub>2</sub>, PH<sub>3</sub>, SO<sub>2</sub>

## ToxiRAE 3 by RAE Systems



The ToxiRAE 3 is a full-featured single-gas monitor that offers unequalled cost of ownership value. The ToxiRAE 3 is compatible with the AutoRAE Lite bump and calibration station. STEL, TWA, low, and high alarms can also be recorded. The detector is warranted for 2 years and maintenance free with replaceable battery.

- » High-performance 3-electrode pinless micro sensor with the fastest response time
- » 0.1 ppm H<sub>2</sub>S resolution, and high-range 1999 ppm CO available
- » Large, easy-to-read display facilitates overview of gas concentration or days remaining (end-user adjustable)
- » Event logging of up to 10 events
- » Full activity records when used with AutoRAE Lite calibration station
- » Intuitive, simple-to-operate user interface
- » IP-67 water-proof and dust resistant
- » Loud, 95 dB audible alarm, bright red flashing visible LEDs and internal vibration alarm
- » Color-coded labels for gas type
- » Extended operating temperature of -4° to 140° F (-20° to +60° C) with full T4 approval
- » User-configurable bump/calibration reminders

### Description

ToxiRAE 3 Monitor

# Personal Monitor

## BadgeRAE by RAE Systems

The BadgeRAE personal gas detector provides 2 years of low-cost, continuous, and maintenance-free protection from exposure to Hydrogen Sulfide (H<sub>2</sub>S) or Carbon Monoxide (CO).

The zero-maintenance BadgeRAE does not require calibration, but prudent safety procedure dictates periodic challenges with CO or H<sub>2</sub>S gas. Only the BadgeRAE provides a bump alert warning with a "Test" message on the display to remind users to "bump" the detector with gas to verify the performance of the sensor and electronics. This procedure is quick and easy and resets the "Test" message.

- » Up to 2 years of continuous protection
- » Once activated BadgeRAE is always on and monitoring
- » No Maintenance (no battery replacement, sensor replacement, or calibration)
- » Large, easy-to-read LCD display
- » One-button integrity self tests, including: alarm function, alarm limits, alarm-minutes used, operational life remaining, and peak reading over 24 hours
- » Rugged housing made of durable, impact resistant, carbon loaded ABS that is highly resistant to RFI interference and is IP-55 rated weatherproof
- » Small enough to be clipped onto a hard-hat, shirt pocket, shoulder-strap, or belt
- » Pre-set low and high alarms
- » Bright LED alarm light



### Description

BadgeRAE Monitor CO or H<sub>2</sub>S



# Accessories

## Buffers



### pH Buffers & Conductivity Standards

Bottle pH 4.01 500ml
Bottle pH 7.01 500ml
Bottle pH 10.01 500ml
Standard 12880 500ml
Standard 1413 500ml
(ORP) Solution

### Horiba Cal Solutions

100-4
100-7
100-10
Internal Cal Solution

### pH Packets (25 per Pack)

pH 4.01
pH 7.01
pH 10.1
Electrode Rinse
TDS Standard



## Cal Gas

### Cal Gas

100ppm Iso-Butylene in Air Balance 103 Liter
100ppm Iso-Butylene in Air Balance 34 Liter
100ppm Iso-Butylene in Air Balance 17 Liter
34L Cal gas LEL 50% (2.5vol methane) Air Balance

## Tedlar Gas Sample Bags

Ideal for collecting samples or calibration. Teflon valve.



### Description

0.5L Tedlar Bag
1L Tedlar Bag
3L Tedlar Bag





# Water Quality Meters

## YSI 556 by YSI



The answer to your needs is answered with this rugged, reliable and waterproof unit. The YSI 556 is easy-to-use, easy-to-read, and is a multiparameter system. Simultaneously measures D.O., pH, ORP, Conductivity, and Temperature. The YSI 556 MPS assists the user in conforming to GLP standards.

- » Field-replaceable DO electrode modules, and pH/ORP probes
- » RS-232 and Compatible with Ecowatch™ for Windows™ data analysis software
- » Easy-to-use, screw-on cap DO membranes
- » User-upgradable software from YSI website
- » Three-year warranty on the instrument; one-year on the probe module and cables
- » Stores over 49,000 data sets, time and date stamped



Description
YSI 556 Meter w/barometer
YSI 556 Meter
YSI 556 Temp/Cond Kit
YSI 556 pH/ORP Kit
Flowcell
4 m cable w/Temp DO Cond
10 m cable w/Temp DO Cond
20 m cable w/Temp DO Cond
PH only
Cond/Temp Prot
DO rebuild kit
DO electrabe

## U-22 & U-10 by Horiba



The U-10 water quality meter has laboratory accuracy with portability. The unit uses an easy push-button operation to measure six parameters: pH, temperature, dissolved oxygen, electrolytic conductivity, turbidity, and salinity. It has a powerful sensor with state-of-the-art functions, the U-10 makes it easy to get highly reliable water quality data simply and quickly just by submersing the sensor in the water. The U-10 is flexible enough to use for checking the quality of a broad range of water samples, from factory effluent to urban drainage, river water, lake and marsh water, aquatic culture tanks, agricultural water supplies, and sea water. The main unit is water-resistant, so it can be used safely even in the rain.



Description
U-22 Meter only
2M Cable & Probe for U-22
10M Cable & Probe U-22
30M Cable & Probe U-22
U-10 2 Meter cwable
U-22 Flow Cell

# Water Quality Meters

## Multiparameter Portable Meter by Hanna Instruments

HANNA's new HI 9828 is a multiparameter portable instrument that monitors up to 13 different water quality parameters (6 measured, 7 calculated). The meter has a backlit LCD that allows full configuration of each parameter measured, units and language selection, long with on-screen graphing. On screen help available during calibration and during sampling. For monitoring and recording data, HI 9828 is equipped with the exclusive T.I.S. – Tag Identification System: iButton®'s with unique ID numbers can be installed for various sampling sites and are used to record specific location information when logging. The meter incorporates comprehensive GLP features. Computer connectivity is through a common USB port. Designed for outdoor environments, the meter is impact resistant and waterproof to IP67 standards and the probe can be left underwater. For field calibration, HANNA's Quick Calibration allows the user to standardize pH, conductivity and dissolved oxygen with one solution. The HI9828 can be ordered with 4, 10 or 20 meter cable.



HI 9828 is supplied with pH/ORP/DO/EC/Temperature probe; quick calibration standard solution, probe maintenance kit; 4 rechargeable C size, Ni-MH batteries; power adapter & cable; car 12V accessory outlet adapter; (5) iButton®'s with holder; USB interface cable; Windows® compatible software and instruction manual in a rugged carrying case.

- » 13 different water quality parameters (6 measured, 7 calculated)
- » Graphic LCD with backlight
- » Exclusive TIS-Tag Identification System
- » Built in barometer
- » Log on demand and automatic logging up to 60,000 samples
- » Auto range of TDS and conductivity
- » Easy to replace sensor cartridges
- » USB connectivity
- » Rechargeable batteries
- » Display up to 12 parameters
- » Graphic LCD with backlight
- » Meter features IP67 and probe features IP68 waterproof protection

Description
Hanna Multiparameter, Probe & Case
Replacement probe with 4 meter cable
Replacement probe with 10 meter cable
Replacement probe with 20 meter cable
Power cable for recharging batteries
Probe maintenance kit
Flow cell
Quick calibration solution, 500 mL

# Water Quality Meters

## U-50 by Horiba



The U-50 series Multi-parameter water quality checker enables to measure and indicate the monitoring result simultaneously up to 11 parameters with one unit. Tough & powerful design, considering user friendly field monitoring on site, such as river, ground water, drainage water, etc. bring together feature of function and performance, which makes simple operation for everybody.

- » High sensitive turbidity sensor incorporated (U-52, U-53).
- » Membrane cap makes stress-free maintenance when dissolved oxygen sensor replacement.
- » Hand-held transmitter and sensor probe enable one-handed operation to make easy operation and data confirmation.
- » One touch calibration makes easy maintenance for pH, DO, conductivity, turbidity, and water depth.

### Description

U-50 Meter only

2m Cable & Probe for U-50

10m Cable & Probe U-50

30m Cable & Probe U-50

U-10 2 Meter cable

# Water Quality Meters (DO)

## 550A DO Meter by YSI

Looking for a rugged, field-worthy instrument for measuring dissolved oxygen? The YSI 550A DO features a waterproof IP-67, impact-resistant case and innovative field-replaceable DO electrode modules. Measure dissolved oxygen and temperature simultaneously using YSI's proven polarographic technology for oxygen and YSI Temperature Precision™ thermistors, the worldwide standard for accuracy.

Measurements are fast and easy with one-hand operation, an easy-to-use backlit display, automatic push-button calibration, and a weighted, quick-sinking probe. The YSI 550A DO has a built-in calibration chamber, low-battery indicator, direct salinity, and altitude compensation. The instrument provides simultaneous readings of oxygen and temperature. Dissolved oxygen readings are automatically compensated for temperature.



Description
550A Dissolved Oxygen Instrument 25'
550A Dissolved Oxygen Instrument 50'
550A Dissolved Oxygen Instrument 100'
DO Electrolyte
DO Membrane Kit & electrolyte

## 55 DO Meter by YSI

The YSI 55 DO meter measures dissolved oxygen in mg/L or percent saturation. Offering push-button calibration with a built-in calibration chamber, direct salinity, and altitude compensation. Unit provides simultaneous readings of oxygen and temperature. Dissolved oxygen readings are automatically compensated for temperature.



Description
YSI 55 Meter & 50' Cable
DO Rebuild Kit

# Pocket Testers

## ORPTestr® 10 by Oakton



You'll never lose this tester by dropping it into a tank or pond; the waterproof ORPTestr floats! IP67-rated housing protects the instrument from rugged field and plant environments. Push-button calibration lets standardize tester in calibration solutions, or making it agree with an established work standard.

Replaceable sensor on ORPTestr 10 lets you reuse meter body many times without losing waterproof and dustproof protection. Large surface area platinum band sensor gives a faster, more stable response.

- » Waterproof, dustproof housing floats!
- » Double junction electrode is ideal for dirty water, heavy metals, sulfides and organics
- » Replaceable sensor lets you reuse same meter body, saving you money
- » Push-button  $\pm 150$  mV offset adjustment

### Description

Waterproof ORPTestr® 10

## pH by Oakton



High  $\pm 0.01$  pH accuracy in a waterproof pocket-sized instrument! This unique Testr display pH and  $^{\circ}\text{C}$  readings on a single large display. It also features a double junction electrode ideal for dirty water and solutions with heavy metals or other contaminants. Its waterproof, dustproof housing protects Testr from rugged field or plant environments.

- » High  $\pm 0.01$  pH accuracy
- » Simultaneous pH and temperature ( $^{\circ}\text{C}$ ) display
- » Suitable for most ASTM and EPA test procedures
- » Double junction electrode ideal for dirty water, heavy sulfides, tris buffers and organics
- » Increased reference gel volume offers significantly longer electrode life
- » Certifiable to IP67 standards—waterproof and dustproof housing floats
- » Replaceable sensor lets you reuse same meter body, saving you money
- » Automatic temperature compensation
- » Three point push-button calibration

### Description

Double Junction Waterproof pHTestr 30

Replacement sensor for WP pHTestr 3, 3+, 10, 20, and 30

# Turbidity Meters

## Waterproof and dustproof with IP67 by Oakton

Designed for portability and durability the waterproof T-100 turbidity meter is ideal for monitoring turbidity in chemical, food and industrial applications. The microprocessor-based T-100 turbidity meter uses an infrared LED light source and delivers unprecedented repeatability and accuracy while offering resolution as low as 0.01 NTU. This lightweight meter is a valuable analytical tool for field-testing and quality control.

- » Four point push-button calibration for full-range accuracy
- » Auto-ranging from 0 to 1000 NTU



### Description

T100 Turbidity Meter Kit  
Replacement standards

## TC-3000 Tri-Meter by LaMotte

A compact water analysis instrument designed for precision measurements of Turbidity, Chlorine and Color. The TC-3000 is equipped with an advanced microprocessor to drive a patent pending optical system that permits EPA or ISO compliant measurements for the water and wastewater analyst. The unique optics configuration enables the instrument to read low levels for Turbidity (0.05 NTU), Chlorine (0.02 ppm) and Color (0.2 PCU) while also expanding to higher ranges, 0-4,000 for Turbidity and 0-10 ppm for Chlorine. The TC-3000 is available in either EPA or ISO 7027 compliant versions and features 6 languages, data logging, RS-232 interface and CE mark.

- » TC-3000e Turbidity, Chlorine, and Color Meter (turbidity complies with USEPA 180.1 Standard)
- » TC-3000i Turbidity, Chlorine, and Color Meter (turbidity complies with ISO 7027 Standard)
- » Unit of Measure: NTU, FNU, FAU, ASBC, & EBC



### Description

TC-3000e Turbidity, Chlorine, and Color Meter  
TC-3000i Turbidity, Chlorine, and Color Meter  
AC adapter  
Vial Ring (2-pk)  
Six pack of vials

# Data Loggers

## Level Loggers by Solinst and by Heron



The New Levellogger® Gold by Solinst, represents the next generation of water level dataloggers. Vastly improved over previous versions, the Levellogger Gold is completely designed, developed and manufactured in-house, in the tradition of all Solinst high quality products. Offering higher resolution and high accuracy of 0.05% for a much reduced price, the Levellogger Gold has improved transducer, temperature, and clock accuracies. Altitude, water density, temperature and barometric compensations also add to the major jump in accuracy.

### Description

Solinst Gold LT

Baralogger

Cable

Com Package USB

Optical Port Reader



The Heron dipper-log offers a wide range of sampling intervals with pressure ranges to 400ft (120m) water head with temperature.

The dipper-log is a low cost data logger for continuously monitoring water levels and temperature in wells, boreholes and open bodies of water. Its small size allows the dipper-log to be used in well diameters as small as 3/4 of an inch (20mm). The dipper-log is a durable & reliable ground water data logger. It is very easy to launch and even easier to download when used in conjunction with a bar-log barometric logger. No need to open separate files, the Heron designed software does it all for you. Because of the unique "grab" of the barometric pressure during set up of the dipper-log there is no requirement for elevation correction. Down in the valley or on top of a mountain it is spot on every time.

### Description

Heron Dipper-log

Baralogger

Cable

Com Package USB

Optical Port Reader

## PT2X Submersible by Instrumentation Northwest



An integrated datalogger and pressure/temperature sensor, INW's Aquistar® PT2X is ideal for monitoring groundwater, well, tan and tidal levels, as well as for pump testing and flow monitoring. Constructed with 316 stainless steel, Viton® and Teflon®, this sensor provides high-accuracy readings in rugged and corrosive field conditions.

### Description

Aquistar® PT2X with Aqua4Plus software



# Interface Probes

## Oil Water Interface Meters by Heron and by Solinst

The Heron unit is tested and accepted by the industry. It will accurately measure the thickness of product layers in (LNAPL) and sinking layers in (DNAPL). This unit is field serviceable and backed with a limited 10 year warranty. The tape and probe will withstand attack by hydrocarbons, solvents and other sample contaminants commonly found in wells. This meter can detect and measure a 1mm layer up to 1/200ft. Certified intrinsically safe to CSA/NRTL standards. Unit is sold complete with carrying bag and cleaning kit.



Description
Heron 50' IP
Heron 100' IP
Heron 200' IP
Heron 300' IP
Electronics Replacement
Probe Spare

Solinst Oil/Water interface meter accurately measure product level and thickness in wells or tanks. This unit is CSA approved for use in hazardous locations Class 1, Groups C&D.

The tape is easy to read and comes in 1/100ft markings with (5/8" diameter) probe. Tape lengths are 50-1500ft. Unit is sold complete with carrying bag and tape guide.



Description
Solinst 100' IP
Solinst 200' IP
Solinst 300' IP

Heron's Sm.OIL. Oil/Water Interface Meter Small size but big features. Heron's small interface meter is an economical unit that will measure to 60ft(20m) below the top of the well, making it ideal for shallow wells or high water tables. The Sm.Oil interface meter measures the thickness of floating or sinking layers of hydrocarbon products in the groundwater. Many of these instruments are used by refineries, oil spill and remediation companies, land fills and site clean up projects.



Description
Heron Sm.Oil 60' IP

# Water Level Meters

## Water Level Meters by Heron and by Solinst



This WLM is top of the line! Not only top notch, but offers exceptional value. This unit is unbreakable, with Polycarbonate reels and polyester powder coated steel frames, corrosion resistant S.S. fittings and a soft grip vinyl frame handle. Unit is water and dust proof and comes with a strong accurate certified tape and S.S. conductors. Tape can come in many lengths. (marked in feet & 1/100 ft.)

### Description

- Heron 50' WLM
- Heron 100' WLM
- Heron 200' WLM
- Heron 300' WLM
- Heron 500' WLM
- Replacement Electronics



This rugged Heron Skinny dipper unit is intended for use in narrow tubes and piezometers. The tape on the skinny dipper is a narrow 0.24 inch x 0.133 inch (6.2 mm x 3.4 mm). The probe is 0.25 inch (6.25mm) diameter stainless steel. This thin section enables the skinny dipper to be used in tubes as narrow as 0.375 inch (9.5mm) internal diameter.

The little dipper is a small low cost water level meter with all the quality features of the larger units. The slim 3/8 inch (9.5mm) dia probe makes it an ideal instrument for narrow piezometers, direct push equipment and standpipes. The compact size and light weight of the little dipper is an advantage for carry in sites where portability is a concern.

### Description

- Heron Skinny Dipper
- Heron Little Dipper



For measuring water depths in wells. The Model 101 WLM is the most accurate and reliable of all Solinst meters. Tape is marked in 1/100 ft. or millimeter. Tape is mounted on a easy to use reel with handle.

### Description

- Solinst 100' WLM
- Solinst 200' WLM
- Solinst 300' WLM
- Solinst 500' WLM

# Skimmers

## Skimmers by Durham Geo-Enterprises, Inc.

The Passive Skimmer utilizes the F.A.P. Plus™ skimmer to provide a 36 in floating intake for the recovery of free phase products such as gasoline, diesel and jet fuel. It is used when minimal product is present or slow recovery rates are expected. For passive recovery of products with higher than 80 SSU, the 4 in high viscosity skimmer (TR-25410) is used. This system provides a floating intake of 30 inches.

The clear PVC collection canister uses a quick connect fitting to attach it to the skimmer and provides venting through the skimmer support hollow rod. The bottom of the canister incorporates a petcock for easy draining. The petcock assembly can be removed allowing an extension canister to be threaded into the existing canister to increase the volume of free product that can be recovered. Additional weights are included with each canister and must be used for proper installation.



Description
2 in Passive Skimmer
2 in Extension Canister
4 in Passive Skimmer
4 in Passive Skimmer (High-Viscosity )
4 in Extension Canister

SoakEase™ is a product-selective absorbent sock housed inside a stainless steel canister. It is used as a passive collection system for free phase product such as jet fuel, gasoline or diesel fuel from 1.25 in and larger recovery wells, monitoring wells and recovery trenches. The SoakEase™ can be used as a bailer for periodic product removal or as a dedicated system for a more continuous method of recovery. Prior to dedicating the SoakEase™, it is recommended that excess free product be removed by bailing with the SoakEase™.

To use SoakEase™ as a bailer, an absorbent sock is placed in the stainless steel canister; a cord is attached to the support loop and then lowered through the product layer. The full length of the sock should come into contact with the product for greater recovery. Immediately, the SoakEase™ will begin absorbing product at a rate of approximately 0.1 gallon per second, depending on the product viscosity. After some time, the SoakEase™ should be raised from the well; the sock removed from the canister and disposed of in accordance with regulations.



Description
1 in SoakEase™ Kit. Includes:
1 in Canister
1 in SoakEase™ Refill (case of 12)
2 in SoakEase™ Kit.
2 in Canisterb
2 in SoakEase™ Refill (case of 12)
4 in SoakEase™ Kit.
4 in Canister
4 in SoakEase™ Refill (case of 12)

# Pumps and Sampler

## Bladder & Peristaltic Pumps



The pneumatic Mini Bladder Pumps are designed to obtain a representative ground water sample with the assistance of a controller to provide variable flow rates. The controller allows the user to match the pumping rate to the well recharge rate, limiting the stress on the formation. With the small volume per cycle, the fluid velocity at the pump inlet is substantially reduced, making the pumps ideal for low flow sampling. The 1.66 in diameter pump will produce flow rates up to 2 gpm. The bottom inlet of the pump is positioned at the desired sampling point, generally at the mid section of the well screen. The inner Teflon® bladder will fill with fluid based on the submergence of the pump. The annular space is pressurized using the controller and the liquid is gently lifted to surface. All pumps can be supplied contaminant free.

Dedicated assemblies can be supplied to reduce cross contamination, well disturbance and facilitate installation. The pump, tubing and well cap assemblies are plastic bagged and each assembly is identified with your well ID number and the well depth.

### Description

Stainless Steel 1/2 in
Stainless Steel 3/4 in
Stainless Steel 1 in
PVC 1.3 in
PVC 1.66 in



Peristaltic Pumps are designed for single and multi-stage pressure or vacuum pumping of liquids for the field or laboratory. Constructed of heavy-duty anodized aluminum, these units are truly rugged pieces of equipment. Well suited for sample removal from shallow wells and all surface water sources. Operating by mechanical peristalsis, the sample only comes in contact with the tubing to assure there is no cross contamination. The Series I has one pumping station which has a variable speed from 60 to 350 rpm. The Series II has two pumping stations, 60 to 600 rpm. Power AC only, DC only or AC/DC combination.

### Description

Peristaltic 1/2 in
Peristaltic 3/4 in
Peristaltic 1 in
Series I
Series II

## E/S Portable Water Sampler by Barnant Company



Sample rate from 125 to 1100 mL/min; suction lift up to 26 feet. Rechargeable internal batteries for field use. IP54-rated when open or closed. Variable-speed motor, reversible flow, and prime/purge function. Run up to 4 hours on self-contained 12 VDC rechargeable battery, or indefinitely from AC or 12 VDC power supply (automotive, etc.).

### Description

Portable Water Sampler
------------------------

# Electric Submersible Proactive Pumps



# Bailers, Filters, and Foot Valves

## Poly, PVC & Teflon Bailers by Aqua Bailers and VOSS

We offer a wide variety of bailers, filters and foot valves in different materials such as PVC, Poly or Teflon. Please contact us for your exact need.



Description (please call us for additional product offerings)		
36" Unweighted	Aqua Bailers	24 disposable polyethylene
48" Double	Aqua Bailers	24 disposable polyethylene
72" Single	Aqua Bailers	20 disposable polyethylene
12", 1.66", Clear, .289L	Aqua Bailers	1 permanent PVC bailers
36", 3.50", White, 4.308L	Aqua Bailers	1 permanent PVC bailers
12" Unweighted	Aqua Bailers	12 Teflon bailers
18" Single	Aqua Bailers	12 Teflon bailers
36" Single	Aqua Bailers	12 Teflon bailers
1.5" Poly Bailers:	VOSS	1.5" x 36" Non Weighted
24 per case	VOSS	1.5" x 36" Weighted
	VOSS	.25" VOC removal device
3" Poly Bailers:	VOSS	3" x 36" Non Weighted
9 per case	VOSS	3" x 36" Weighted
	VOSS	3" VOC removal device
1.5" Teflon Bailers:	VOSS	1.5" x 36" Non Weighted
12 per case	VOSS	1.5" x 36" Weighted
	VOSS	VOC removal device (teflon)

## Disposable Ground water filters and Foot Valves

Description (please call us for additional product offerings)		
.45 microns	Voss	.45 micron filter
.45 microns	Voss	barb connector
.45 microns	Wattera	.45 micron filter
.45 microns	Wattera	.45 micron filter
Pressure Bailer w/0.45 micron filter	Voss	.45 micron filter
25mm Foot Valve	Wattera	25mm Foot Valve

## Pressure Bailers & Hand Pump

Description (please call us for additional product offerings)	
Hand Pump	Voss
Drum thieves	Voss

# Air Sampling & Air Sampling Pumps

## Dräger CMS Analyzer

Accurate gas measurements are made easier with the Dräger CMS. This new generation spot-check detection device is literally as easy as 1-2-3 to operate. Simply insert one of the 55 chemical specific Dräger-CMS-Chips into the Analyzer and follow the instructions on the display as to when to move the slide switch. TWA levels are typically analyzed in 1-2 minutes. Upon completion of this process, the concentration is indicated on the LCD display.

CMS does not require gas calibration. All measurement and calibration information is stored on a bar code on the CMS Chip. An electronics and leak check is performed before each measurement so you are assured of accurate indications every time. Operating on 4 "AA" cells, the CMS will deliver about 100 measurements per battery change. Popular applications include TWA screening, confined space entry, and emergency response.

- » Easy to Use
- » Digital Display of Results
- » UL, CSA, and MSHA Approved
- » No Calibration Required
- » On-Board Data-Recorder



### Description

Dräger-CMS

## SampleRAE and Hand Pump by Rae Systems

SampleRAE is a hand-held, battery powered, programmable automatic sampling pump. It is used with gas detection tubes (colorimetric tubes) and sorbent tubes. The user can easily program the sampling volume required for each tube type. For example, some tubes require 1 pump stroke (100cc) with a piston hand pump.

With SampleRAE you simply enter 100cc, press the start key and the pump will automatically take the sample for you. A built in flow sensor measures the exact amount of sample volume and shuts off the pump. SampleRAE is ideal for situations where multiple samples with detection tubes are required.

### Description

SampleRAE

The Rae Systems Hand pump allows for easy and accurate sampling 1/2 or full stroke. The Hand Pump is for use with our line of Gas Detection Tubes. The Hand Pump, along with the Tubes, offers quick, on-the-spot measurements of many gases and vapors at low cost without the need for calibration.

### Description

Hand Pump



# Soil Sampling

## Soil Augurs kits by AMS



Environmental soil sampling kit is made of all stainless steel (tools). This kit was designed for use in field situations where soil contaminants are at low levels or the protocol requires that the samplers be decontaminated in an acid bath.

Kit includes:

- » 3 1/4" Stainless Regular Auger
- » 3 1/4" Stainless Mud Auger
- » 3 1/4" Stainless Sand Auger
- » 2" x 6" Split Core Sampler
- » Slide Hammer
- » Three 4' Stainless
- » Stainless Cross Handle
- » Universal Slip Wrench
- » 2" x 12" Stainless Brush
- » Two Crescent Wrenches
- » Poly Reinforced Case



AMS continuous Power Flighted Augers enable drilling of a small diameter hole at virtually any angle in suitable soils. If your job calls for fast and accurate drilling this is the kit for you. This is a stainless steel kit.

### Description (please call us for additional product offerings)

Hand Augur Kit

Power Augur Kit



## Sleeves, Caps & Teflon Squares

### Description (please call us for additional product offerings)

Caps - Manufacturer: BISCO

Teflon Squares Film - Manufacturer: BISCO

## En Cores Sampler by En Novative Technologies



The En Core<sup>®</sup> Sampler, a disposable volumetric sampling device, was developed to assist field personnel in taking soil samples with minimal handling and maximum accuracy.

Besides its simplicity of use, the disposable En Core<sup>®</sup> Sampler avoids many of the problems of current VOC soil collection techniques, including:

- » The Sampler eliminates the need for methanol preservation.
- » The Sampler eliminates the need for preservation with sodium bisulfate.
- » Most importantly, the Sampler avoids many sources for lab discrepancies, thus assuring more consistent and accurate analyses.

### Description

En Core<sup>®</sup> Sampler



# Soil Sampling

## Terra Core Soil Sampler by En Novative Technologies

The Terra Core is a one time use transfer tool, designed to easily take soil samples and transfer them to the appropriate containers for in-field chemical preservation.

It is a cost effective, time saving, disposable transfer tool for soil sampling as described in USEPA SW-846 Method 5035. The Terra Core Sampler delivers an approximate 5 gram or 10 gram sample. The Terra Core's rugged all-in-one design eliminates the need for a separate handle. No more cut off syringes!



### Description

Terra Core Soil Sampler

## EasyDraw Syringe® & PowerStop Handle®

The Most Versatile, Disposable Soil Sampling System Available For Field Preservation.

A Simple Solution for soil sampling as described in EPA SW-846 Method 5035A and many other methods!

- » PowerStop Handle is reusable
- » Ability to take 5, 10 & 13 gram soil samples with one handle
- » Adjustable settings to compensate for various soil types
- » Sturdy handle makes sampling easy in all soil types
- » EasyDraw Syringe doubles as a dry weight sample container and collection tool
- » EasyDraw Syringes meet demanding performance & cleanliness standards



### Description

EasyDraw Syringe & PowerStop Handle - 100 disposable syringes

## Field Preservation Kit by En Novative Technologies

The Solution for EPA Method 5035A Field Preservation.

- » Ready to Use - No assembly! No Prep!
- » Choose your favorite sampling tool - Terra Core Sampler or EasyDraw Syringe.
- » Terra Core and EasyDraw Syringe's error proof volumetric design provides for an accurate sample size every time.
- » Terra Core and EasyDraw Syringe meet demanding performance and cleanliness standards.
- » Quality pre-preserved, tared vials with stir bars included.
- » Packing design of individual sample points allows easy sampling for big & small projects.
- » Sold in packs of 6 or 16 sample points.
- » Standard kits available for High & Low Level Sampling and High Level Only.
- » Sampling as described in Method 5035A.
- » Custom kits are available to meet your needs.



### Description

High and Low Level Sampling Kit - Sold in packs of 6 or 16 sample points

High Level Only Sampling Kit - Sold in packs of 6 or 16 sample points

# Supplies

## "Rite in the Rain"® & Cleaning Supplies



Rite in the Rain all-weather writing paper is a patented substrate created for use in outdoor writing situations. Since this paper is designed for use in extreme conditions it is manufactured with the most durable yet recyclable components available. Recycled content pulp, as a result of the repulping & reprocessing involved in recycling, produces a "weaker" substrate due to the shortened fibers. This inherent weakness reduces the field-durability of paper and as such is not used in the manufacture of Rite in the Rain paper. It is one of the rare instances where virgin fiber adds significantly to the end-product function. Papers designed for "office or indoor" uses do not require this strength and as such can contain recycled fiber. This all being said, the wood fibers we utilize for Rite in the Rain are purchased from FSC Certified sources. By doing this it insures our product is manufactured with high environmental and social standards and practices.

We have a large supply of books which vary in size and style.

### Description (please call us for additional product offerings)

- Rite in the rain spiral bond book
- Rite in the rain hard bond book
- Rite in the rain staple book
- Rite in the rain pen
- Rite in the rain loose leaf paper
- BISCO Detergent Liquid

## Well Supplies & Protection

### Description (please call us for additional product offerings)

- 2" Well Caps
- 4" Well Caps
- 6" Well Caps
- 35mm Brass Lock (keyed to match dolphin lock #1600)
- Master Lock #3
- Master Lock Equivalent Steel #3
- Manholes Cast Iron Manhole with HDPE Skirt 8" x 8" Skirt Two or Three bolt

### Description (please call us for additional product offerings)

- 1/16" String 150'
- 1/16" String 300'
- 1/8" Rope style bailer string 1000'
- 1/8" Rope style bailer string 1500'

# Supplies

## Tubing by BISCO Environmental

Polyethylene Tubing offers toughness and flexibility with excellent fatigue and elongation resistance. Common uses include peristaltic, low-flow and purge pumps.

Silicone tubing is the most flexible tubing. It remains flexible from below -50°C to above 200°C. Its mechanical properties (softness and resistance to compression setting) make it the most popular choice for peristaltic pump tubing.

Teflon® Lined Tubing has a .010-inch inner lining of pure Teflon®. Experience the benefits of Teflon® at a lower cost. Teflon® Tubing has exceptional resistance to chemical reaction, high temperatures, and stress cracking. It is the preferred tubing for a host of environmental and other applications.

### VINYL WATER TUBING

(Clear Flexible PVC, RNT Tubing, Clearflo Tubing) Manufactured from clear virgin PVC. Its flexibility and durability make it our most popular purge-pump tubing.

Teflon® Tubing has exceptional resistance to chemical reaction, high temperatures, and stress cracking. It is the preferred tubing for a host of environmental and other applications.



Description	Sizes
Polyethylene	170" x 1/4"
Polyethylene	1/4" x 3/8",
Polyethylene	3/8" x 1/2"
Polyethylene	1/2" x 5/8"
Teflon	1/8" x 3/16"
Teflon	170" x 1/4"
Teflon	1/4" x 3/8"
Teflon	3/8" x 1/2"
Teflon	1/2" x 5/8"
PVC	1/4" x 3/8"
PVC	1/2" x 3/4"
PVC	1" x 1 5/16"
Vinyl	1/4" x 3/8"
Vinyl	3/8" x 1/2"
Vinyl	1/2" x 5/8"
Silcon	15
Silcon	26
Viton	36

# Safety - Gloves

## SemperGuard® HD Latex



SemperGuard HD Latex gloves are thicker and longer than standard industrial latex gloves providing additional barrier protection for the wrist and lower forearm. The textured surface provides improved tactile sensitivity with increased gripping characteristics.

- » 50 micrograms or less of total water-extractable proteins per gram\*
- » Powder-free
- » Textured surface
- » Color-coded packaging
- » Thicker than most standard disposable gloves

### Description

SemperGuard HD Latex (in Small, Medium, Large and X-Large)

## SemperGuard® GripSafe Nitrile™ PF



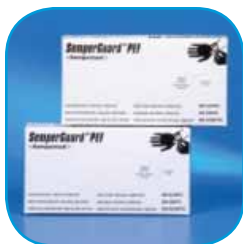
SemperGuard GripSafe Nitrile powder-free gloves are the ideal solution for individuals who are at risk of becoming sensitive to natural rubber latex. SemperGuard GripSafe Nitrile gloves are designed to provide the fit, feel, tensile and tear strengths and other properties of natural rubber latex gloves without the protein allergens. Additional nitrile benefits include the ability to effectively dissipate electrostatic charges, and a higher solvent resistance over natural rubber latex.

- » Forms to the shape of your hand
- » Holds up to petroleum based chemicals
- » Manufactured without natural rubber
- » Powder-Free

### Description

SemperGuard GripSafe Nitrile (in Small, Medium, Large and X-Large)

## SemperGuard® PEF



SemperGuard PEF Polyethylene Gloves offer value and versatility. They are lightweight, yet durable, making them ideal for a number of light-duty applications such as food processing, food handling and preparation, and janitorial/sanitation.

- » Tensile Strength: 9 MPa min.
- » Elongation: 250% min.
- » Virgin Grade Low Density Polyethylene (LDPE) film resin

### Description

SemperGuard PEF (in Small, Medium, Large and X-Large)

# Safety - Gloves & Suits

## SemperGuard® Nitrile™

Productivity up, latex sensitivity down. SemperGuard Nitrile powdered and powder-free gloves are the ideal solution for individuals who are at risk of becoming sensitive to natural rubber latex. Nitrile gloves are made from a synthetic polymer exhibiting rubber-like characteristics when vulcanized. SemperGuard Industrial Nitrile gloves are designed to provide the fit, feel, tensile and tear strengths and other properties of natural rubber latex gloves without the protein allergens. Additional nitrile benefits include the ability to effectively dissipate electrostatic charges, and a higher solvent resistance over natural rubber latex.



Description	PN	Description
Powder Free Nitrile S	15-00-197	Powder Free Latex S
Powder Free Nitrile M	15-00-198	Powder Free Latex M
Powder Free Nitrile L	15-00-199	Powder Free Latex L
Powder Free Nitrile XL	15-00-200	Powder Free Latex XL
Powdered Nitrile S	15-00-201	Powdered Latex S
Powdered Nitrile M	15-00-202	Powdered Latex M
Powdered Nitrile L	15-00-203	Powdered Latex L
Powdered Nitrile XL	15-00-204	Powdered Latex XL

## Tyvek® Suits

We offer a wide variety of safety suits, coveralls, and booties. Please contact us for your exact need.

With Tyvek suits and clothing you don't have to compromise. That's because Tyvek suits and clothing deliver the best balance of protection, durability and comfort. Made using a proprietary manufacturing process, Tyvek features an inherent barrier. So, unlike other protective apparel fabrics, which have either a film or coating that can be easily scratched or worn away, Tyvek suits and clothing provide barrier protection through the entire fabric.



- » Tyvek® is the industry standard for dry particulate barriers. Microscopic particles as small as 0.5 microns can't pass through Tyvek® even after it's been abraded.
- » Tyvek® is an inherent barrier not easily scratched or worn away. Comfort You'd Never Expect Standing still, your body radiates heat and moisture vapor. So, it's no surprise that working in protective apparel that can't breathe escalates the problem dramatically and can affect productivity. It's called heat stress. And, it can seriously compromise your safety, especially in hazardous environments.
- » Tyvek® lets air and moisture vapor pass through.
- » Tyvek® breathes. Breathability is a key factor in reducing heat stress.
- » Tyvek® is six times more breathable than microporous film garment materials.

### Description (please call us for additional product offerings)

- Tyvek Coveralls with Open Wrist and Ankles
- Tyvek Coveralls with Attached Hood, Boots, and Elastic Wrists
- Tyvek Lab Coats with Snaps

# Glasses & Headgear

## Pyramex Safety Products

BISCO Environmental is proud to offer Pyramex safety products. Pyramex is an industry leader in safety glasses & other protective eyewear, headgear, back support, ear plugs and other accessories. We offer a wide variety of safety eyewear, goggles, and accessories. Please contact us for your exact need.



### Lenses and Goggles

All polycarbonate lenses provide 99% protection against harmful UV-A and UB-B rays. Gray and green lenses are not to be used in welding applications or environments. Filter lenses come in a different degree of protection. Call us for finding you the right match.



#### Description (please call us for additional product offerings)

Rendezvous Lenses

Ztek/Mini Ztek Lenses

V2G Lenses

Goggles



### Ear muffs and earplugs

Hearing protecting ear muffs are available with a large soft foam ear cups and come with a durable padded nylon headband. Individually packaged.

DP 1000/DP1001 Earplugs come either in disposable corded or uncorded styles or the RP2001 as a reusable style

#### Description (please call us for additional product offerings)

Ear Muffs from NRR 22db to 27db.

Earplugs DP1000/DP1001 with NRR 31 db.

Earplugs RP2001 with NRR 25db.



### Hard & Bump Hats

We have a large variety of hard hats and bump hats in 8 colors available. Please contact us for your exact need.



#### Description (please call us for additional product offerings)

Hard Hat Cap Style (4 or 6 point ratchet suspension or snap lock suspension)

Hard Hat Brim Style (4 or 6 point ratchet suspension)

Bump Caps (available in 7 colors with 4 point snap lock suspension)







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