

**Quality
Environmental
Products for
Purchase and
Rental**

Environmental Products for:

- Groundwater Sampling
- Air Monitoring
- Soil Sampling Equipment
- Water Quality Instrumentation
- General Field Products
- Health and Safety Products
- Remediation and Cleanup
- Well Construction Equipment
- Rental Equipment
- Stormwater Products

New

Product Catalog; Includes Prices

Enviro-Tech Services is a discount environmental supply company. Prices in this catalog are the Manufacturers' Suggested Price used primarily for the generation of bids and proposals; therefore, your purchase price will generally be less than the catalog price. Printed in the year 2017.

Limited Edition Catalog. Prices subject to change.

**If You Received this Catalog,
Your Company/Agency
has an Account.**

Enviro-Tech Services Company

Enviro-Tech Services Company has just surpassed its 30th year in business as a certified small business enterprise. We have the distinction of being one of the first "full service – one-stop-shop" supply companies for purchasing and renting environmental equipment. The Company was created by a field geologist with experience in the geophysical petroleum exploration, mining and environmental level of consulting industries, thereby producing a Company that is streamlined to provide an exceptional level of service to the working field geoscientist and related industries.

To celebrate our emergence into the digital world, we are now launching our new fast click mobile experience website, enabling the quick and efficient purchase of equipment while working in the field. Visit us at www.envirotechonline.com.

We are dedicated to the Environmental and Geological professions, and our clients should recognize that, when you purchase from Enviro-Tech, you support a variety of professional organizations integral to the Geoscience community. Annually we donate equipment to selected geoscience departments at various Universities. Furthermore, we hire and train interns from these same geoscience departments and, usually, they acquire immediate employment within the consulting industry. When you support Enviro-Tech you also support the Geological and Environmental community.

We wish to thank you for choosing Enviro-Tech for your sampling and field supplies.

— From all the staff at Enviro-Tech Services Company

Support the Company that supports the Geosciences Community.

MEMBER:



Groundwater Resources Association (GRA)



National Ground Water Association



California Groundwater Association



Northwest Environmental Business Council



Nevada Mining Association



American Geosciences Institute
connecting earth, science, and people

"When you support Enviro-Tech, you support the Geosciences Community"

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916-852-8856



Rancho Cordova Warehouse



Rancho Cordova Rock Collection

Three Services Centers in Elko, Reno and Las Vegas, Nevada

Enviro-Tech has established three new fully stocked "Dealer" offices in the cities of Las Vegas, Reno and Elko, Nevada. All are located within Silver State Analytical Laboratories.

Please contact these offices directly for your purchase and rental needs in Nevada.

Enviro-Tech Dealer Office at:

Silver State Analytical Laboratories

Elko Office

1250 Lamoille Highway, Ste. 629
Elko, NV 89801
775-778-9828 Phone
775-201-0084 Fax

Reno Office

1135 Financial Blvd.
Reno, NV 89502
775-857-2400 Phone
888-398-7002 Fax

Las Vegas Office

3626 East Sunset Road, Ste. 100
Las Vegas, NV 89120
702-873-4478 Phone
702-873-7967 Fax

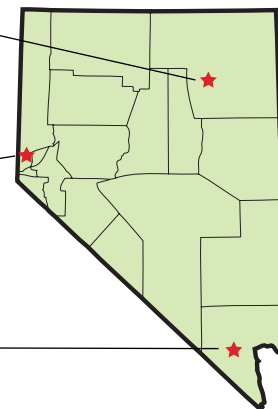


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Equipment Rental Rates

GROUNDWATER SAMPLING INSTRUMENTATION

DAILY WEEKLY MONTHLY

Water Level Indicators

Solinst Mdl. 101/Heron Dipper-T: 100'-300'	\$ 30.00	\$ 90.00	\$ 180.00
Solinst Mdl. 101/Heron Dipper-T: 500'-1000'	45.00	135.00	405.00
Solinst Mdl. 102 w/ .25" probe: 100'-300'	30.00	90.00	180.00
Sonic Depth Meter	45.00	135.00	405.00

Oil/Water Interface Meters

Solinst Mdl. 122/Heron H.Oil: 100'-300'	75.00	225.00	675.00
Solinst Mdl. 122/Heron H.Oil: 500'	85.00	255.00	765.00

Single Parameters Instruments

Dissolved Oxygen

Hanna DO Meter	45.00	135.00	405.00
YSI ProDO Optical DO	60.00	180.00	540.00

Turbidity

Hanna Turbidity Meter, HI-98703.....	40.00	120.00	360.00
LaMotte 2020e/2020WE	40.00	120.00	360.00
Oakton T-100	40.00	120.00	360.00

Multi Parameter Instruments

New – Aquameter	110.00	330.00	990.00
pH/Cond/Temp/ORP/DO/Turbidity			
Horiba U-10, 2m/10m cable.....	70.00	210.00	630.00
pH/Temp/EC/ORP/DO/Turb/TDS			
Horiba U-22, 4m/10m cable, w/Flow Cell	125.00	375.00	1125.00
pH/Temp/EC/ORP/DO/Turb/TDS/SSG/Depth/Salinity			
Horiba U-52, 2m/10m cable.....	125.00	375.00	1125.00
CellpH/Temp/EC/ORP/DO/Turb/TDS/Salinity			
YSI Model 556: 4m/10m/20m cable w/Flow Cell	100.00	300.00	900.00
pH/Temp/EC/ORP/DO/Salinity/TDS			
UltraMeter II 6P (pH/Cond/Temp/ORP/Resistivity).....	35.00	105.00	315.00
Hanna (pH/Cond/Temp), HI-99130 Model	35.00	105.00	315.00

Dataloggers

Solinst Levellogger w/Communications Package & Software	60.00	180.00	560.00
* priced per logger			

GROUNDWATER SAMPLING PUMPS AND EQUIPMENT

DAILY WEEKLY MONTHLY

Proactive Purge Pump w/ Controller; 40' - 85'	\$ 45.00	\$ 135.00	\$ 405.00
Proactive Purge Pump w/ Controller; 90' - 150'	65.00	195.00	585.00
Proactive Mega-Monsoon w/ Controller; 200'	85.00	255.00	765.00

Low Flow Sampling

GeoTech II Persaltatic Pump	30.00	90.00	270.00
GeoPro Bladder Pump System (.5"/1.6" dia.)	215.00	645.00	1935.00
QED Sample Pro System; MP10, 1.6" pump, Complete System	215.00	645.00	1935.00
Waterra Hydrolift 2 Inertial Pump (Ideal for Well Development)	100.00	300.00	900.00
*HDPE/LDPE Tubing Required w/Footvalve			
Honda EU2000 Generator (2000w)	60.00	180.00	540.00

Equipment Rental Rates

Rental Equipment Rates

Page 3

AIR MONITORING EQUIPMENT	DAILY	WEEKLY	MONTHLY
Single Gas Instruments			
MiniRAE Lite, MiniRAE 2000/3000 PID. 10.6eV lamp.....	\$ 95.00	\$ 285.00	\$ 855.00
MiniRAE 2000	125.00	375.00	1125.00
ppbRAE 3000 10.6eV	150.00	450.00	1350.00
PID Rental Accessories			
Calibration Kit; 100ppm ISO, Regulator & Tubing	15.00	45.000	135.00
* Price based on 25% gas usage per week, Overages fill accordingly			
Multi-Gas Instruments			
MultiRAE; PID & 4 gas (LEL/O2/H2S/CO)	95.00	285.00	855.00
QRAE; 4 gas Meter (LEL/O2/H2S/CO)	80.00	240.00	720.00
RKI GX-2012; LEL/O2/H2S/CO	60.00	180.00	540.00
RKI Eagle 2; LEL/O2/H2S/CO/PID	95.00	285.00	855.00
Multi-Gas Instrument Rental Accessories			
Calibration Kit; 100ppm ISO, 4-gas mix, Regulator & Tubing.....	25.00	75.000	180.00
* Price based on 25% gas usage per week, Overages fill accordingly			
Landfill, Particulate, Mercury Monitors, and Air Sampling			
Landtec GEM 2000+; CH4/O2/LEL/H2S/Temp	150.00	450.00	1200.00
Methane Landfill Monitor	100.00	300.00	900.00
RKI Gas Tracer; LEL/O2/CO	60.00	180.00	540.00
Thermo DataRAM PDR-1000; Personal Particulate Monitor.....	100.00	300.00	900.00
Casella Micro Dust PRO; RealTime Dust Monitoring	85.00	255.00	765.00
Jerome 431X Mercury Vapor Analyzer.....	300.00	900.00	1800.00
GilAir 5 Sampling Pump.....	40.00	80.00	240.00

SOIL SAMPLING, PIPELINE and MISC. EQUIPMENT	DAILY	WEEKLY	MONTHLY
AMS Hand Auger w/ 3' extension and t-handle, 3.25" stainless steel	\$ 75.00	\$ 225.00	\$ 675.00
AMS Complete Basic Soil Sampling Kit; 3.25"	125.00	375.00	1025.00
AMS Flighted Auger Kit w/ Hammer Drill	200.00	600.00	1350.00
Schonstedt MAC 51B Pipeline Locator.....	75.00	225.00	675.00
Noise Dosimeter; Casella dBadge 350.....	45.00	135.00	405.00
Flowmeter; Global Water FP101; 3' to 6' extendable.....	30.00	100.00	300.00
Anemometer; Veloci-Calc 9545A.....	50.00	90.00	230.00
Rotary Hammer Drill; Bosch/Dewalt.....	50.00	150.00	450.00
Honda EU2000 Generator (2000w)	60.00	180.00	540.00
GVP Kit; Soil Vapor (Vadose Zone Sampling).....	250.00	750.00	1800.00
* w/ Removal Jack & Hammer Drill			

Did You Know...

Enviro-Tech Rental Program



If Requested Calibration Kit, Video & CD, Tool Kit

Instruction Manual and Rental Agreement

It looks Sharp and Professional

Our Quality Guarantee- If we fail to provide any of this, your rental is FREE* until we fix it.

*The only condition is you need to notify us immediately.

Working Instrument & Certificate of Calibration

Clean Foam Packaging

All Accessories as needed

Instrument is Charged & includes Charger

We Rent Instruments

Visit Our Website • Purchase with Only a P.O. #

No Credit Card Needed!

www.envirotechonline.com



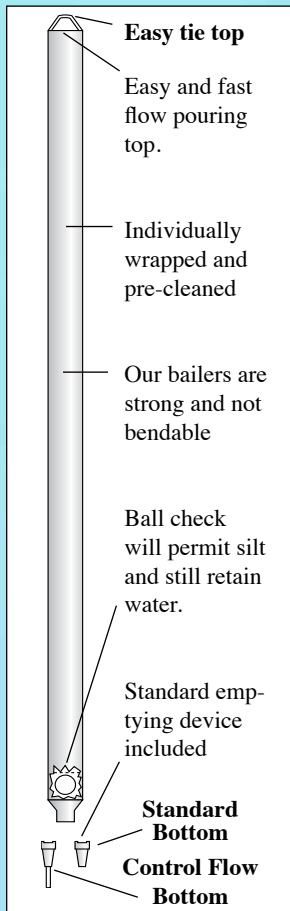
Welcome to Enviro-Tech Services Company

Disposable Bailers

Enviro-Tech Services offers the greatest diversity of bailer products and accessories in today's market. We represent several manufacturers which enables you to order compatible parts for your existing bailer stock.

Aqua Bailers **Voss Technologies**
Clear-View **Enviro-Tech's**
Monoflex, Inc. **Private Label**

We have represented the following bailer manufacturers since 1988:



Standard Disposable Bailer

Cat. No.	Width x Length	Description	Brand	Units	Price
Clear PVC Disposable Bailers					
ET-SF	1.5" x 36"	Clear PVC Bailers; Weighted	Sinkfast	24/cs.	\$121.00
ESP-CV153	1.5" x 36"	Clear PVC Bailers; Weighted	Enviro-Tech CV	24/cs.	121.00
Polyethylene Disposable Bailers					
AQ-PY05X36SW	.5" x 36"	Polyethylene Bailers; Weighted	Enviro-Tech AQ	24/cs.	\$98.10
AQ-PY05X36S	.5" x 36"	Polyethylene Bailers; Unweighted	Enviro-Tech AQ	24/cs.	88.50
AQ-PY75X36SW	.75" x 36"	Polyethylene Bailers; Weighted	Enviro-Tech AQ	24/cs.	117.00
AQ-PY75X36S	.75" x 36"	Polyethylene Bailers; Unweighted	Enviro-Tech AQ	24/cs.	107.00
AQ-PY16X12SW	1.5" x 12"	Polyethylene Bailers; Weighted	Enviro-Tech AQ	24/cs.	114.96
AQ-PY16X12S	1.5" x 12"	Polyethylene Bailers; Unweighted	Enviro-Tech AQ	24/cs.	97.20
AQ-PY16X36SW	1.5" x 36"	Polyethylene Bailers; Weighted	Enviro-Tech AQ	24/cs.	123.50
AQ-PY16X36S	1.5" x 36"	Polyethylene Bailers; Unweighted	Enviro-Tech AQ	24/cs.	102.20
VOS-91946-SW-ET	1.5" x 36"	Polyethylene Bailers; Weighted	Voss / AQ	24/cs.	142.00
VOS-91 946-S-ET	1.5" x 36"	Polyethylene Bailers; Unweighted	Voss / AQ	24/cs.	112.80
VOS-PE3-SW	3" x 36"	Polyethylene Bailers; Weighted	Voss / AQ	9/cs.	110.20
VOS-PE3-S	3" x 36"	Polyethylene Bailers; Unweighted	Voss / AQ	9/cs.	86.10
PE3-VOC	Various	VOC Sampling Device	Various	24/cs.	26.00
Polyethylene Double-Check Bailers					
AQ-PY16X12DCW	1.5" x 12"	Polyethylene Bailers; Weighted	Enviro-Tech AQ	24/cs.	\$127.20
AQ-PY16X36DCW	1.5" x 36"	Polyethylene Bailers; Weighted	Enviro-Tech AQ	24/cs.	148.00
AQ-PY16X48DCW	1.5" x 48"	Polyethylene Bailers; Weighted	Enviro-Tech AQ	24/cs.	179.28
Teflon Disposable Bailers					
AQ-TF05X36SW	.5" x 36"	Teflon Bailers; Weighted	Enviro-Tech AQ	12/cs.	\$114.00
AQ-TF05X36S	.5" x 36"	Teflon Bailers; Unweighted	Enviro-Tech AQ	12/cs.	101.00
AQ-TF75X36SW	.75" x 36"	Teflon Bailers; Weighted	Enviro-Tech AQ	12/cs.	131.00
AQ-TF75X36S	.75" x 36"	Teflon Bailers; Unweighted	Enviro-Tech AQ	12/cs.	123.00
AQ-TF16X12SW	1.5" x 12"	Teflon Bailers; Weighted	Enviro-Tech AQ	24/cs.	178.00
AQ-TF16X12S	1.5" x 12"	Teflon Bailers; Unweighted	Enviro-Tech AQ	24/cs.	148.00
VOS-SST-12-011-W-ET	1.5" x 12"	Teflon Bailers; Weighted	Voss	12/cs.	166.00
VOS-SST-12-011-ET	1.5" x 12"	Teflon Bailers; Unweighted	Voss	12/cs.	136.00
AQ-TF16X36SW	1.5" x 36"	Teflon Bailers; Weighted	Enviro-Tech AQ	12/cs.	226.00
AQ-TF16X36S	1.5" x 36"	Teflon Bailers; Unweighted	Enviro-Tech AQ	12/cs.	199.00
VOS-SST-36-021-W-ET	1.5" x 36"	Teflon Bailers; Weighted	Enviro-Tech AQ	12/cs.	240.40
VOS-SST-36-021-ET	1.5" x 36"	Teflon Bailers; Unweighted	Enviro-Tech AQ	12/cs.	206.10
VOS-12DT-031	Various	Teflon VOC Sampling Device	Various	12/cs.	31.00
VOC Tips (Control Flow Bottom Devices)					
Various	All Sizes	Control Flow Bottom (specify when ordering)	Various AQ	24/cs.	\$25.10



Disposable / Permanent Bailers

Pressurized Disposable Bailers

The SingleSample® pressurized disposable bailer system is designed to provide an easy method for filtering metal samples in the field.

The pressurized bailer's rugged polyethylene construction permits use for both bailing and sampling wells while eliminating cross contamination and decon time.

For Metals Analysis



Cat. No.	WxL	Description	Units	Price
VOS-PBO10	1.5" x 36"	Pressure Bailer	12/cs.	\$101.40
VOS-PBHP	-	Hand Pump	\$/ea.	69.95
VOS-PB-VOC	-	VOC Sample Removal Device	\$/ea.	9.00
ET-GF-1	-	High Capacity Filter	\$/ea.	18.95

Groundwater Sampling Equipment

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Small Diameter Disposable Bailers

Perfect for use in small diameter wells or borings

Cat. No.	Width x Length	Description	Units	Price
Disposable Polyethylene Bailers				
AQ-PY05X36SW	.5" x 36"	Polyethylene Bailers; Weighted	24/cs.	\$98.10
AQ-PY05X36S	.5" x 36"	Polyethylene Bailers; Unweighted	24/cs.	88.50
AQ-PY75X36SW	.75" x 36"	Polyethylene Bailers; Weighted	24/cs.	117.00
AQ-PY75X36S	.75" x 36"	Polyethylene Bailers; Unweighted	24/cs.	107.00
Disposable Teflon Bailers				
AQ-TF05X36SW	.5" x 36"	Teflon Bailers; Weighted	12/cs.	\$114.25
AQ-TF05X36S	.5" x 36"	Teflon Bailers; Unweighted	12/cs.	101.00



Large Diameter Disposable Bailers

Cat. No.	Width x Length	Description	Units	Price
VOS-PE3-SW	3" x 36"	Polyethylene Bailers; Weighted	9/cs.	\$110.20
VOS-PE3-S	3" x 36"	Polyethylene Bailers; Unweighted	9/cs.	86.10

Stainless Steel Bailers

Collect composite samples from wells and boreholes.

Stainless Steel bailers feature a tubular stainless steel body with a wire loop bail and fluoropolymer check ball on all models except model AMS-2100.36 - which is a top fill model. The stainless steel construction allows for quick and easy decontamination, and the tapered top on 1 3/4" model for smoother raising and lowering.

The tapered design on the 1 3/4" model allows for less friction when retrieving samples.



Cat. No.	Description	Weight	Price
Stainless Steel Bailers			
AMS-451.00	1 3/4" x 3' Tapered Bailer	3.7 lb.	\$157.29
AMS-2700.09	7/8" x 3' SS Bailer	1.0 lb.	68.91
AMS-2100.04	1" x 3' Bailer	1.2 lb.	116.74
AMS-2100.40	1.5" x 3' SS Bailer	1.5 lb.	102.08
AMS-2100.09	7/8" x 3' Bailer	1.1 lb.	109.03
AMS-2100.30	3/4" x 3' Bailer	1.0 lb.	102.93
AMS-2100.00	5/8" x 3' Bailer	1.0 lb.	96.30
AMS-2100.35	3/8" x 18" Bailer	0.4 lb.	39.50
AMS-2100.36	3/8" x 18" Top Fill Bailer	0.4 lb.	44.51

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Bailer Accessories

Cat. No.	Size	Description	Unit	Price
HBR-01		Portable Plastic Handireel (see picture)	ea.	\$ 28.00
TSC-564	100ft.	Teflon® Suspension Cord	1 roll	90.95
NCS-18	1/8"x1000'	Nylon Suspension Cord	1 roll	28.00
MON-BCB-01	12 inch	Bailer Cleaning Brush	ea.	19.26
MON-BCB-02	40 inch	Bailer Cleaning Brush	ea.	29.96
CON-BRH		Bailer Retriever Hook	ea.	45.00
GLND-PF-*	*S, L, M, XL	Blue Nitrile Gloves, Powder Free	50 pair	19.00



Suspension Cord



Handireel

Bailer Twine

Bailer Retriever

Alconox & Liquinox

For decontaminating your field equipment, be sure to have a supply of Alconox or Liquinox on hand for the highest quality cleaning available.

Alconox is a concentrated powdered precision cleaner, ideal for cleaning contaminants from glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass. Excellent replacement for corrosive acids and hazardous solvents. It's available in both a 4 lb. box and a dispenser box containing 50 1/2 oz. packets.

Liquinox is a concentrated critical cleaning liquid detergent. It is extremely mild and completely soluble in hard and soft water. Liquinox is phosphate-free and available in either a quart or gallon size.



Cat. No.	Size	Description	Unit	Price
ALC-CTN	4 lbs.	Alconox Detergent	ea.	\$ 38.00
ALC-PKT	1/2 oz.	Packets; Alconox Detergent	50	69.00
LIQ-QT	1 Quart	Liquinox Detergent	ea.	24.00
LIQ-GL	1 Gallon	Liquinox Detergent	ea.	69.00

Bailer Retrieval System

Every cartridge is individually wrapped and available with 100 or 200 feet of bailer line rated at 160 lbs. breaking strength. Rugged ball-bearings provide the aluminum reel with a continuous smooth action. Designed for use with any lightweight bailer.

Cat. No.	Length	Description	Unit	Price
VOS-78214	-	Aluminum Reel Only		\$206.00
VOS-78215	100 ft.	Disposable Nylon Cartridges	24	86.00
VOS-78216	200 ft.	Disposable Nylon Cartridges	20	91.00



Specialized Sampling Equipment



Specialized Equipment for collecting representative samples from sludge ponds, dredge tailings, lakes, drums, and confinement areas.



Disposable Coliwesas by Voss Technologies

A Higher Volume and Environmentally Precleaned Coliwasa.

Enviro-Tech carries the popular Voss Technologies Disposable Coliwesas, sold in case units of 24, and with the Voss Trademark and standard high quality QA/QC control measures.

Features:

The Voss SingleSample™ Disposable Coliwasa features:

- High density, inert polyethylene construction
- Individually sealed packaging
- Ready to use
- Each unit is individually decontaminated with Liquinox™ washing and DI water rinse
- Special fitment/rod assembly that serves as a check valve to close off the column and allow easy transfer to sample bottles with minimum loss
- 42" overall length
- .031" wall
- 1.5" I.D.
- 1100 ml capacity

VOSS DISPOSABLE COLIWASA		
Cat. No.	Description	Price
VOS-EIS-VCW-01	Disposable Coliwasa	\$ 109.50/cs

Sold in cases of 24 units.



Telescopic Dippers

The CONBAR telescopic dipper is designed to grab samples from spillways, tanks, rivers, manholes and other hard to reach places. This sampler can be useful in obtaining sediment samples from the bottom of tanks, lakes and holding ponds. The dipper is manufactured in four lengths, 8, 12, 18, and 24 feet, using telescopic aluminum tubing. The sampler is supplied complete with one replaceable 600 ml polypropylene ladle.

Our polypropylene ladles are available in standard or precleaned. The precleaned ladles are cleaned to EPA protocol "B" and are individually packaged.

Cat. No.	Description	Price
CON-5308	4'-8' Telescopic Dipper	\$77.00
CON-5312	5'-12' Telescopic Dipper	92.00
CON-5324	7'-24' Telescopic Dipper	117.00
Replacement Dipper Ladles		
CON-5326	Std. 600 ml Dipper Ladle 10/cs.	\$49.00

Flow Probe



The Global Water Flow Probe is a highly accurate water velocity instrument for measuring flows in open channels and partially filled pipes. The water velocity probe consists of a protected water turbo prop positive displacement sensor coupled with an expandable probe handle ending in a digital readout display.

- Easy flow monitoring
- Digital display in ft/sec or m/sec
- Lightweight, rugged, and reliable
- Highly accurate
- Used by water professionals worldwide for over 12 years

Cat. No.	Description	Length	Price
GL-FP101	Flow Probe Water Velocity Handle	3-6 feet Meter	\$896.00
GL-FP201	Flow Probe Water Velocity Handle	5-15 feet Meter	962.00

*Prices subject to change without notice

DC Powered Sampling Pumps

Groundwater Sampling Equipment



Cool!
Leave it up to Enviro-Tech to compile all this Proactive pump data in an easy to read chart with pictures and prices.



RENTAL RATES
45 / 135 / 405
DAY WEEK MONTH
40'-85' Purge Pump
See Page 2 for other sizes

Enviro-Tech is a recognized, nationwide distributor for Proactive Industries. Our challenge to you — **Find a better price and we will BEAT OR MATCH IT!**

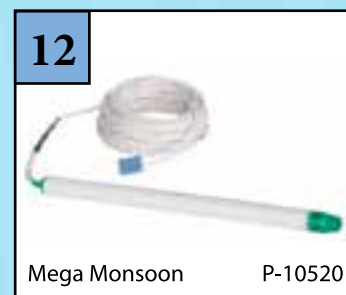
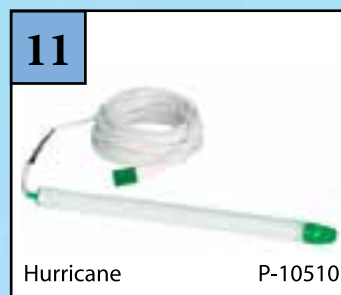
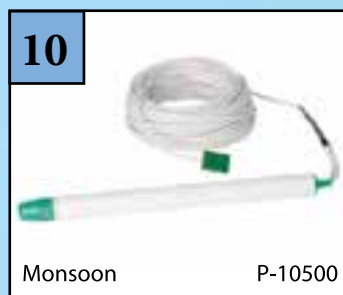
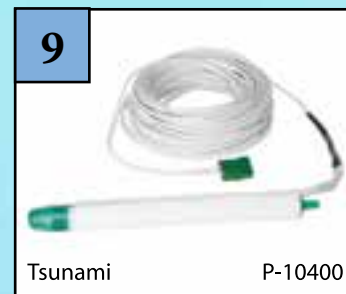
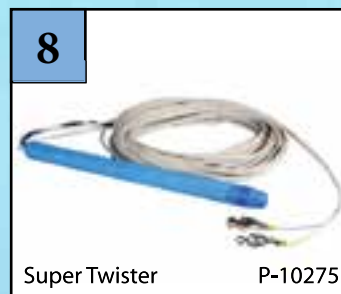
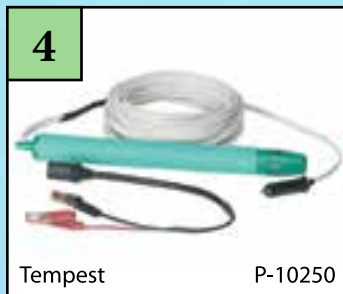
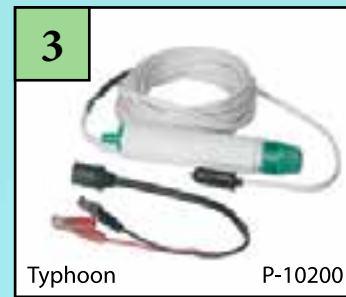
PICTURE	STANDARD ENGINEERED PLASTIC PUMPS														PRICING		PICTURE			
	PUMP MODEL	CAT. NO.	OPTIONAL CONTROLLER	PUMPING DEPTH IN FEET												LOW FLOW CONTROLLER		PUMP PRICING		
				3	10	20	25	30	40	50	55	60	70	85	90	100		OPTIONAL PA-10800	LIST PRICE	
1	CYCLONE with 35' of wire	P-10100	LOW FLOW SAMPLING CONTROLLER (PA-10800)	2.0 GPM 12V.	1.0 GPM 12V.	.35 GPM 12V.	.25 GPM 12V.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$425.00	\$143.00	1
2	MINI-TYPHOON with 50' of wire	P-10150	LOW FLOW SAMPLING CONTROLLER (PA-10800)	2.5 GPM 12V.	2.2 GPM 12V.	2.0 GPM 12V.	1.5 GPM 12V.	1.0 GPM 12V.	.25 GPM 12V.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	425.00	156.00	2
3	TYPHOON with 60' of wire	P-10200	LOW FLOW SAMPLING CONTROLLER (PA-10800)	3.0 GPM 12V.	2.3 GPM 12V.	2.0 GPM 12V.	1.5 GPM 12V.	1.0 GPM 12V.	.60 GPM 12V.	.25 GPM 12V.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	425.00	199.00	3
4	TEMPST/TWISTER with 70' of wire	P-10250	LOW FLOW SAMPLING CONTROLLER (PA-10800)	3.2 GPM 12V.	2.8 GPM 12V.	2.2 GPM 12V.	2.0 GPM 12V.	1.75 GPM 12V.	1.2 GPM 12V.	.75 GPM 12V.	.60 GPM 12V.	40 GPM 12V.	N/A	N/A	N/A	N/A	N/A	425.00	210.00	4
5	MINI-MONSOON with 80' of wire	P-10300	LOW FLOW SAMPLING CONTROLLER (PA-10800)	4.0 GPM 12V.	3.2 GPM 12V.	2.8 GPM 12V.	2.5 GPM 12V.	2.2 GPM 12V.	1.5 GPM 12V.	1.0 GPM 12V.	.75 GPM 12V.	.60 GPM 12V.	.25 GPM 12V.	N/A	N/A	N/A	N/A	425.00	223.00	5
6	TORNADO with 90' of wire	P-10330	LOW FLOW SAMPLING CONTROLLER (PA-10800)	4.25 GPM 12V.	3.75 GPM 12V.	3.5 GPM 12V.	3.25 GPM 12V.	3.0 GPM 12V.	2.5 GPM 12V.	1.75 GPM 12V.	1.25 GPM 12V.	.75 GPM 12V.	.50 GPM 12V.	.35 GPM 12V.	N/A	N/A	N/A	425.00	330.00	6

PICTURE	HIGH PERFORMANCE ENGINEERED PLASTIC PUMPS														PRICING			PICTURE				
	PUMP MODEL	CAT. NO.	REQUIRED CONTROLLERS	PUMPING DEPTH IN FEET												BOOSTER	BOOSTER+ CONTROL FLOW		PUMP PRICING			
				10	20	40	50	70	80	85	100	110	120	140	150	180	200		REQUIRED	OPTIONAL	LIST	
7	MEGA-TYPHOON with 90' of wire	P-10350	POWER BOOSTER 1 (PA-10600) OR LOW FLOW WITH POWER BOOSTER 1 (PA-10650)	3.5 GPM 12V.	3.1 GPM 12V.	2.0 GPM 12V.	1.5 GPM 12V.	.50 GPM 12V.	.25 GPM 12V.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PA-10600 \$399.00	PA-10650 \$535.00	\$279.00	7	
8	SUPER TWISTER with 90' of wire	P-10275	NOT COMPATIBLE WITH ANY OF PROACTIVE'S CONTROLLERS	3.5 GPM 12V.	3.0 GPM 12V.	2.75 GPM 12V.	2.4 GPM 12V.	1.5 GPM 12V.	1.0 GPM 12V.	.60 GPM 12V.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	293.00	8
9	TSUNAMI with 110' of wire	P-10400	POWER BOOSTER 2 (PA-10700) OR LOW FLOW WITH POWER BOOSTER 2 (PA-10550)	4.0 GPM 12V.	3.8 GPM 12V.	3.2 GPM 12V.	3.0 GPM 12V.	2.0 GPM 12V.	1.5 GPM 12V.	1.0 GPM 12V.	.50 GPM 12V.	N/A	N/A	N/A	N/A	N/A	N/A	PA-10700 399.00	535.00	459.00	9	
10	MONSOON with 130' of wire	P-10500	POWER BOOSTER 2 (PA-10700) OR LOW FLOW WITH POWER BOOSTER 2 (PA-10550)	4.4 GPM 12V.	4.2 GPM 12V.	3.5 GPM 12V.	2.8 GPM 12V.	2.1 GPM 12V.	1.9 GPM 12V.	1.6 GPM 12V.	1.5 GPM 12V.	1.25 GPM 12V.	1.0 GPM 12V.	N/A	N/A	N/A	N/A	PA-10700 399.00	535.00	489.00	10	
11	HURRICANE with 160' of wire	P-10510	POWER BOOSTER 2 (PA-10700) OR LOW FLOW WITH POWER BOOSTER 2 (PA-10550)	4.5 GPM 12V.	4.0 GPM 12V.	3.0 GPM 12V.	2.75 GPM 12V.	2.25 GPM 12V.	2.0 GPM 12V.	1.75 GPM 12V.	1.35 GPM 12V.	1.25 GPM 12V.	1.15 GPM 12V.	.50 GPM 12V.	.25 GPM 12V.	N/A	N/A	PA-10700 399.00	535.00	599.00	11	
12	MEGA-MONSOON with 210' of wire	P-10520	POWER BOOSTER 2 (PA-10700) OR LOW FLOW WITH POWER BOOSTER 2 (PA-10550)	4.0 GPM 12V.	3.75 GPM 12V.	2.75 GPM 12V.	2.5 GPM 12V.	2.0 GPM 12V.	1.75 GPM 12V.	1.75 GPM 12V.	1.65 GPM 12V.	1.65 GPM 12V.	1.5 GPM 12V.	.65 GPM 12V.	.50 GPM 12V.	.30 GPM 12V.	.15 GPM 12V.	PA-10850 635.00		699.00	12	



Pumps

Enviro-Tech Sells For Less.



Controllers and Power Boosters



Low Flow Controller PA-10800



Low Flow with Power Booster PA-10650



Power Booster 2 Controller PA-10700

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Small Diameter – 12-Volt Purge and Sampling Pumps

Proactive has developed a new series of pumps for purging and sampling small diameter wells. Both operate off of 12-volt DC power. The Supernova 70 (for purging and sampling to 70-feet) and the Supernova 120 (for purging and sampling to 120-feet) are shown here with specifications and pricing.

Nationwide Distributor for



Supernova 70

Pumping Depth: 70 Feet (DTW)

- Supplied with 80 feet of heavy duty 10 gauge wire
- Dimensions: 1.44" O.D. x 16" Length
- Use With: Optional Low Flow Sampling Controller (PA-10800)
- Can be used with 3/8" or 1/2" ID Low Density Polyethylene Tubing

Supernova 120

Pumping Depth: 120 Feet (DTW)

- Supplied with 130 feet of heavy duty 10 gauge wire
- Dimensions: 1.44" O.D. x 16" Length
- Requires: Power Booster II (PA-10700) or Low Flow w/ Power Booster II (PA-10750)
- Can be used with 3/8" or 1/2" ID Low Density Polyethylene Tubing

1.44"
Diameter



Supernova 70



Supernova 120

Cat. No.	Description	Price
ES-SUP 70	Supernova 70 Small Submersible Pump	\$389.00
ES-SUP 120	Supernova 120 Small Submersible Pump	489.00

Sampling Pumps – 12-volt Downhole Purge and Sampling Pumps

Purge Pump – Whaler Design

A Brief History – The Whaler purger pump was the first downhole DC pump designed for the groundwater industry. Enviro-Tech initially patented the two stage pump and sold it under our popular brand name, "The Purger." Now this pump has been improved and modified and is available in three versions. Of all the purger pumps available on the market, the Whaler deserves credit for being very reliable, long lasting, and durable. So much so, in fact, it carries a one year warranty.

RENTAL RATES
60 / 180 / 570
DAY WEEK MONTH
Also a Certified
Repair Facility

Pricing, Specifications & Data

Product #	ES-40W	ES-60W	ES-90W
Manufacturer	Whale	Whale	Whale
First Introduced	1993	1993	2006
Common Name	Mini Purger	Super Purger	Mega Purger
Warranty	1 Year Cond.	1 Year Cond.	1 Year Cond.
Well depth	Up to 40'	Up to 60'	Up to 90'
Lead line	50-feet	70-feet	95-feet
Output (max.)	3gpm	2.8gpm	5gpm
Diameter	1.5"	1.875"	1.27"
Length	6"	13"	14"
Expected life	200 hrs.	200 hrs.	200 hrs.
Power *	12 Volt DC	12 Volt DC	12 Volt DC
Notes:	Reintroduced by Popular Demand Very efficient motor		No Booster Required



ES-90 Mega
Purger Pump



ES-60
Super Purger

Cat. No.	Description	Price
ES-40W	Mini Purger Pump – WhalerPumps up to 40'	\$220.00
ES-60W	Super Purger Pump – WhalerPumps up to 60'	330.00
ES-90W	Mega Purger Pump – WhalerPumps up to 90'	440.00
No Booster Required on any Pump		

**1 Year
Warranty**

Purge Pumps

Super Twister – Downhole lift to 85'

The New Super Twister is a 3-stage 12 Volt battery operated purger pump. Fits down a 2" well and is durable, easy to assemble and operate. A new design resulting in longer lasting field operating time of more than 400 hours.

- Pump 1 gpm @ 85'
- No Controller Required
- Field Proven Reliable

Supplied with 90 ft. of Wire
 Volt Recommendation: 12-15 Volts at Source
 Maximum Amp Output: 13 Amps
 Power Consumption: 150-195 Watts

Tech Tip
 For shallow groundwater purging to depths of 85-feet, the Super Twister is a reliable top seller.

RENTAL RATES
40 / 120 / 360
 DAY WEEK MONTH
 Also a Certified Repair Facility

Cat. No.	Description	Price
ES-85	Super Twister Purger Pump	\$293.00



Durable 3-stage 12 Volt Downhole Purger Pump. No Control Box Required.

Hand Pumps

WaTerra Pump and Footvalves

The WaTerra hand pump handle is an inexpensive way to sample wells without an extra power source. It mounts on the top of the well casing to provide mechanical leverage and support for the manual up/down pumping action. An easy adjustment for centering the tubing in the well and quick release clamps give efficient operation. A fixed support for the discharge tubing facilitates sample bottle filling and flow rate measurement. The handle is easily carried from well to well. It does not require decontamination, as no part of the handle comes into contact with the pumped water.

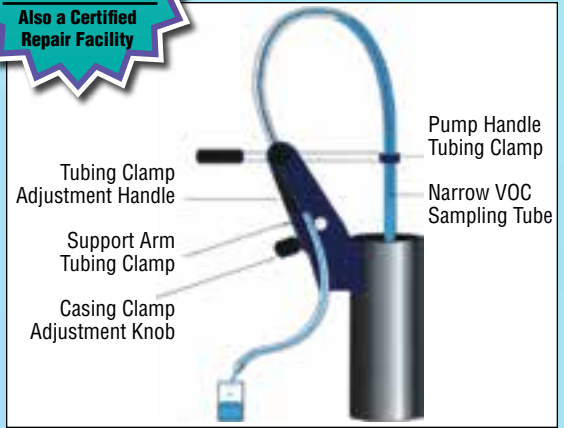
Specifications

- Material: Aircraft grade aluminum/Delrin™
 Weight: 8 lbs. (3.6 Kg)
 Length: 24" (61 cm)
 Lift: Up to 100 ft. with 5/8" tubing
 Up to 60 ft. with 1" tubing

RENTAL RATES
100/300/900
 DAY WEEK MONTH
 Also a Certified Repair Facility



Cat. No.	Description	Price	
SOL-101287	WaTerra Hand Pump Handle	\$ 430.00	
SOL-102247	WaTerra Hydrolift Pump	3,245.00	
Cat. No.	Footvalves	For Tubing	Price
SOL-101280	D13 Footvalve (1/2" Delrin)	1/2" O.D.	\$ 21.00
SOL-101281	D16 Footvalve (5/8" Delrin)	5/8" O.D.	21.00
SOL-101282	D25 Footvalve (1" Delrin) (1 to 10 units) (11 to 50 units) (51 to 199 units)	5/8" O.D.	21.00
		5/8" O.D.	19.50
		5/8" O.D.	17.75
SOL-101283	D32 Footvalve (1-1/4" Delrin)	1" O.D.	32.00
SOL-101284	SS10 Footvalve (3/8" Delrin)	3/8" O.D.	25.00
SOL-101285	SS16 Footvalve (5/8" Delrin)	5/8" O.D.	37.00
SOL-101286	SS19 Footvalve (3/4" Delrin)	5/8" O.D.	48.00
Cat. No.	Tubing: (High Density Polyethylene)	Length	Price
SOL-100883	5/8" x 1/2" HDPE	100' roll	\$ 35.00
SOL-100884	5/8" x 1/2" HDPE	200' roll	68.00
SOL-100885	5/8" x 1/2" HDPE	500' roll	170.00
SOL-100255	1" x 3/16" HDPE	100' roll	110.00
SOL-101771	1/2" x 3/8" HDPE	100' roll	53.00
SOL-105633	3/8" x 1/4" HDPE	100' roll	51.00



The WaTerra HydroLift II Pump is a compact, high-powered electric motor used to raise and lower the tubing within the well. The HydroLift II is constructed with aircraft grade aluminum for light weight, easy transport and superior durability.



\$3,245.00

*Prices subject to change without notice

Peristaltic Pumps

Ideal for Shallow Well Sampling

For shallow well sampling at depths below one atmosphere (28-feet), peristaltic pumps remain one of the most cost effective and purest methods for sampling. Groundwater is subject to a minimum of turbid disturbance. Additionally, a peristaltic pump is ideal for use with a flow cell thereby allowing for reliable groundwater parameter measurement for determining aquifer stabilization and accurate field record keeping. Enviro-Tech distributes a variety of peristaltic pumps and, as always, we will beat any price quoted by a competitor.

RENTAL RATES
w/Controller
35 / 105 / 300
DAY WEEK MONTH
Also a Certified
Repair Facility



Geopump™ Peristaltic Pump Series II with EZ-Load 2 pump head (optional), 5 ft. tubing, carrying case and power cord

Features

- Exceptional field durability
- Operate at a depth of 27 feet at sea level
- Operate from 60 to a maximum of 600 RPM
- Variable speed control
- Delivery rate of 1.67 ml per revolution
- Reversible flow feature for back-flushing

Geopump™

The Geotech Series I and II Geopump™ Peristaltic Pumps are designed for single and multi-stage pressure or vacuum pumping of liquids. These pumps are ideally suited for field sample removal from shallow wells, surface water sites and for laboratory use.

Series I Geopump™ Peristaltic Pumps are available in AC only, DC only, or an AC/DC combination. These units have one pumping station which can be piggy-backed for multi-station pumping. They have variable speeds ranging from 60 RPM to 350 RPM.

Single Pump Head

Series II Geopump™ Peristaltic Pumps are available in AC only, DC only, or an AC/DC combination. They have two pumping stations which can also be piggy-backed for multi-station pumping. The first pumping station has a variable speed of 30 to 300 RPM and the second station 60 to 600 RPM.

Double Pump Head

Geopump Peristaltic Pump – Pump Selection Guide

Basic Unit (Must select option from each group to determine total cost)		\$690.00
Power Options		
0 DC only, with hardwired DC power cord	+\$ 0.00	
1 AC only, with hardwired AC power cord	+\$ 100.00	
2 AC/DC, with interchangeable AC and DC power cords	+\$ 125.00	225.00
Pumping Stations / RPM requirements		
0 Series I, 350 RPM	+\$ 0.00	
1 Series II, 300 RPM & 600 RPM	+\$ 65.00	65.00
Field Case		
0 No Field Case	+\$ 0.00	
1 Hard Field Case with foam cut inserts	+\$ 210.00	210.00
2 Hard Field Case with foam cut inserts with 12V Battery & charger	+\$ 285.00	
Pump Heads		
0 No Pump Head	+\$ 0.00	
1 Standard Pump Head, size 15	+\$ 140.00	
2 E-Z Load Pump Head, size 15, 24	+\$ 210.00	210.00
3 E-Z Load 2 Pump Head, size 15, 24, 36	+\$ 245.00	
9135_ _ _ _	Total	\$ 1,400.00

Most Common Pump Ordered for Groundwater Use.

Peristaltic Pumps

The Masterflex® Portable Sampler

The Portable Sampler, part of the new Environmental Sampling Series, is designed for the ultimate in portability and versatility. Run up to 4 hours on the self-contained 12V DC rechargeable battery, or indefinitely from any AC or 12V DC power supply (automotive, etc.). Internal battery can be charged from an AC power supply.

Pump is encased in a high-visibility yellow housing for easy recognition and recovery in the field. Case comes with attached carrying handle for easy transport.

Features

- Uses Masterflex® L/S® Standard, Quick Load®, PTFE Tubing or Easy-Load® pump heads.
- Reversible flow and prime/purge function.
- Use it even where there is no electrical power.
- Sealed, self-contained 12V DC rechargeable battery—up to 4 hours of nonstop operation in the field.
- Run indefinitely from AC outlet or 12V DC power supply.
- Variable-speed motor; 400 rpm max.

Pump Head Options



Easy-Load
Pump Head 07581-00

Quick Load
Pump Head 07021-20

Standard Load
Pump Head 07015-20



Masterflex Portable Sampler
Sampler contains a 12 volt battery with an AC power option built in.

RENTAL RATES
35 / 105 / 300
DAY WEEK MONTH
Also a Certified Repair Facility

Sampler Pricing & Accessories

Cat. No.	Description	Price
BAR-7571-00	E/S Portable Sampler w/115 VAC power adapter/battery charger	\$1,310.00
BAR-7571-05	E/S Portable Sampler w/230 VAC power adapter/battery charger	1,620.00
BAR-7571-50	Automotive adapter, 25 ft. cable	46.00
BAR-7571-54	Auxiliary Power Supply for 7571-00, 12 VDC w/cable to connect to external power supply input	388.41
BAR-7571-52	Auxiliary Power Supply for 7571-05, 12 VDC w/cable to connect to external power supply input	296.39
BAR-30622-55	Tubing Connector, barbed HDPE, 3/16" ID connects sample line tubing to L/S 24 tubing. Pack of 10	13.10
BAR-30621-85	Tubing Connector, barbed HDPE, 1/4" ID connects sample line tubing to L/S 24 tubing. Pack of 10	11.80
BAR-7570-04	Flow-through Tubing Weight, SS, fits L/S 15, L/S 24 and L/S 25 tubing	65.27

Masterflex Precision Pump Heads

Cat. No.	Pump Head Description	Tubing Size	Price
BAR-7518-00	Easy-Load; Polysulfone body, cold rolled steel rotor	L/S 25	\$230.00
BAR-7518-02	Easy-Load; Polysulfone body, cold rolled steel rotor	L/S 15 & 24	230.00
BAR-7015-20	Standard; Polysulfone body, cold rolled steel rotor	L/S 25	145.00
BAR-7024-20	Standard; Polysulfone body, cold rolled steel rotor	L/S 24	145.00
BAR-7021-20	Quick-Load; Polysulfone body, cold rolled steel rotor	L/S 25	195.00
BAR-7021-22	Quick-Load; Polysulfone body, cold rolled steel rotor	L/S 15 & 24	195.00

To calculate Peristaltic Pump Kit (Figures show most popular kit)

Kit Price (Sampler w/115 Volt) + Pump Head (Ezload-L/S 15) = Price (\$1,540.00)
+Accessories \$1310.00 \$230.00

Solinst® Peristaltic Pump (DC Only)

Solinst Peristaltic Pumps are designed for vacuum pumping or pressure delivery of liquids or gases. They are ideal for sample removal from shallow wells and surface water.

The mechanical peristaltic operation is effective to depths of 33 ft. at sea level, being limited only by the suction lift limit.

The Solinst Peristaltic Pump operates from a 12 volt battery and has a variable pumping rate, and can deliver from 120 ml/min. in sample mode and as much as 3.5 liters/min. in the purge mode.

Compact and Lightweight

The Solinst Peristaltic Pump is very compact and easy to use. It measures 13" x 5" and weighs only 8.0 lbs.

The metal case is extremely robust, water resistant, and has no grates or openings.

A handle, and easy-access controls on the top of the pump, make it perfect for field work.



Solinst Model 410 Peristaltic Pump

Cat. No.	Description	Price
SOL-108592	Model 410 Peristaltic Pump (c/w 3ft. 5/8" OD Silicon Tubing & Adaptor Kit)	\$1,026.00
SOL-105137	5/8"OD Silicon Tubing (\$/ft.)	4.32/ft
SOL-110597	5/8"OD Dura Clamp (set of 10)	18.00/set of 10
SOL-105055	3/8" OD Tubing Adapter	26.00
SOL-105136	3/8"OD Silicon Tubing (\$/ft.)	4.70/ft
SOL-110598	3/8"OD Dura Clamp (set of 10)	5.93/set of 10
SOL-109030	Replacement Head	204.00

*Prices subject to change without notice

Low Flow Portable Pumps

Disposable (Quick Change) Bladders Geocontrol Pro Professional Pack



Geocontrol Pro w/carry case and internal battery

The New Geocontrol downhole bladder pump is a 12-volt operated downhole portable bladder pump with disposable "quick change" bladders for fast and efficient use at well depths up to 200-feet. This highly portable system is your complete answer to fast, efficient groundwater sampling using the principles of low flow and micropurging. This system uses all the components of Teflon and stainless steel in the pump, tubing, and disposable bladder construction. It is therefore a desirable system under EPA Standards and protocols.

Professional Pack	Complete Kit Price		
	PUMP SIZE		
Combines: Field Portable Controller, Portable Battery, Charger, 1.6", .85" or .675" Pumps, includes case	1.66"	.85"	.675"
	\$2,875.95	\$2,875.95	\$2,875.95
Add a few Accessories:			
Portable Carry Case	195.00	195.00	195.00
Pack of Disposable Teflon Bladders (10+)	300.00	150.00	150.00
Bonded Tubing/Teflon/100'	297.00	400.00	400.00
TOTAL COST	\$3,667.95	\$3,620.95	\$3,620.95

- **Low Flow Teflon / Stainless Disposable Bladder Pump**
- **Lightweight (< 8 lbs.) and Portable**
- **Fast Field Assembly**
- **Quick Change Bladder Configuration**
- **Pumps up to 200-feet**
- **No Nitrogen Cylinders**
- **Micropurge Capability**



Catalog	Description	Price
GEO91150011	Geocontrol Professional Pack & 1.66 Pump	\$ 2,933.00
GEO91150015	Geocontrol Professional Pack & .85 Pump	2,882.00
GEO91150016	Geocontrol Professional Pack & .675 Pump	2,882.00
<i>All professional packs include the controller, designated pump, portable battery, recharger system. (Bonded tubing extra)</i>		
TUBING, DISPOSABLE BLADDERS, AND SPARE PARTS:		
BONDED TUBING		
GEO87050521	1.66" Pump tubing .17 x 1/4 Poly — 1/4 x 3/8 Poly	\$ 1.40 /foot
GEO87050522	1.66" Pump tubing .17 x 1/4 Poly — 1/4 x 3/8 Teflon	2.97 /foot
GEO87050526	.85" Pump tubing .17 x 1/4 Poly — .17 x 1/4 Teflon	2.49 /foot
GEO87050527	.85" Pump tubing .17 x 1/4 Poly — .17 x 1/4 Poly	1.40 /foot
GEO87050526	.675" Pump tubing .17 x 1/4 Poly — .17 x 1/4 Teflon	2.49 /foot
GEO87050527	.675" Pump tubing .17 x 1/4 Poly — .17 x 1/4 Poly	1.40 /foot
DISPOSABLE BLADDERS		
GEO21150054	Disposable Teflon Bladder for 1.66" Pump	\$41.00 each \$300.00 for 10 pk
GEO21150055	Disposable Poly. Bladder for 1.66" Pump	9.00 each 102.50 for 12 pk
GEO51150051	Disposable Teflon Bladder for .85" pump.	16.00 each 150.00 for 10 pk
GEO51150126	Disposable Teflon Bladder for .675" Pump	16.00 each 150.00 for 10 pk
ACCESSORIES		
GEO51150047	Carry Case Fitted with Foam	\$ 232.00
GEO91150017	Geocontroller w/out pump	2,219.00
GEO77250000	Spare Portable Battery Pack	140.00
GEO81150034	Portable Bladder Pump; 1.66x18"	669.00
GEO51150066	Spare Parts Kit for Pump; Any size	83.00
GEO81150019	Well Cap Adapter, 10 ft.Tubing	45.00

Electrical Submersible Pumps

Improved Variable Frequency Drive (VFD) Control Unit



Redi-Flo2

Redi-Flo4™
Call for pricing and information for this product.

Grundfos Variable Performance Pumps

Enviro-Tech distributes the Grundfos line of electric submersible pumps. The Redi-Flo2 is a small and powerful state-of-the-art pump designed for long term reliability in dedicated monitoring wells. The Redi-Flo2 has an ID of 1.8" and is constructed of stainless steel and Teflon.

Cat. No.	Redi-Flo2 Products & Accessories	Price
INW-1A107001	Redi-Flo2 VFD w/Case 115V/230V	\$2,200.00
INW-1A107002	Redi-Flo2 VFD w/o Case	1,985.00
INW-1A107103	Pump with 50' Motor Lead	2,100.00
INW-1A107303	Pump with 100' Motor Lead	2,190.00
INW-1A107503	Pump with 150' Motor Lead	2,430.00
INW-1A107703	Pump with 200' Motor Lead	2,670.00
INW-1A107803	Pump with 250' Motor Lead	2,910.00
INW-1A107903	Pump with 300' Motor Lead	3,150.00
INW-1A00138	Stainless Steel Support Cable	1.73/ft
INW-1A00111	1/2" ID Reinforced PVC Hose	2.53/ft
INW-125061	Pump End Service Kit	303.00
INW-001A019	Safety Cable Bracket	29.55
INW-3P175	Redi-Flo2 Cooling Shroud	235.75
INW-3P140	1/2" Stainless Steel Discharge Fitting	96.60



Portable Hand Reel

Cat. No.	Description	Price
GT-81400001	GeoReel with Collector in center	\$575.00
GT-81400002	GeoReel w/o Collector in center	356.00

Call for pricing on accessories, spare parts, custom lead lengths or service tools.

SS GeoSub

This stainless steel (SS) sampling pump is the most versatile single stage DC pump in the industry. Designed with all stainless steel components, the SS Geosub allows you to sample with confidence even in the harshest well conditions. The SS Geosub operates with the SS Geosub Controller.

Controller Specifications

Max Input Power 8120034	100-130 Volts AC, 50/60 HZ 310 Watts 2.6 amps nominal full load 115 Volts AC
Max Input Power 8120035	200-250 Volts AC, 50/60 HZ 310 Watts 1.3 amps nominal full load 230 Volts AC
Operating Temp	-20°F to 100°F (-29°C to 38°C)
Weight	16.45 lbs.
Size	16" L x 13" W x 7" H

Pump Specifications

Full Load Rating	2/3 HP
Maximum Amp Draw	35 amps DC
Overload	Incorporated into SS Geosub Controller
Discharge Port:	1/4" female NPT (includes 3/8" hose barb)
Min. Temperature	34°F (1°C)
Max. Temperature	176°F (80°C)
Dimensions of Pump	13.2" L x 1.75" OD
Weight of Pump w/o Lead	4 lbs. (1.8 kg)

Features

- Most versatile pump in the industry, sample from depths to 200 ft. (61 m)
- Low flow sampling rates to 10 mL/min
- User enabled dry-run protection
- Easy to decontaminate



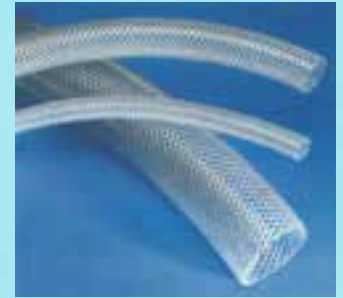
Geotech SS Geosub & Controller

Cat. No.	Description	Price
81200034	SS GeoSub Controller, 120V, 120VAC Input, 300 W DC Output	\$ 1,685.00
81200035	SS GeoSub Controller, 230V, 240VAC Input, 300 W DC Output	1,685.00
12070014	Power Cord, 6' 7", 115V (replacement cord, initially included w/controller)	15.00
11200850	Power Cord, 6', 230V (replacement cord, initially included w/controller)	15.00
51201004	Extension Cord, 15', SS Geosub, Large	95.00
81200033	Check Valve, 1/4" MPT	105.00
81400127	DC to AC Inverter 750W (case sold separately)	164.00
81400143	100-foot GeoSub Reel	1,700.00
81400142	150-foot GeoSub Reel	1,900.50
81400141	200-foot GeoSub Reel	2,200.00
51200099	Motor/Control Module, 150'	650.50
51200098	Motor/Control Module, 200'	750.00

*Prices subject to change without notice

Tubing

- Teflon® • Silicon • Tygon • Flexible and Nylon Braided PVC • Polyethylene •



Polyethylene Tubing

Clear Braided Reinforced PVC Tubing

Tubing Type	Application		I.D.	O.D.	Cat. No.	Price Per Foot	Price Per Roll
Nylon Reinforced PVC Tubing	Discharge Tubing for Sampling/Purging		1/2"	5/8"	RYN-0512-080	\$1.16/ft.	\$ 60.00/roll of 100'
			3/8"	1/2"	RYN-0512-072	.98/ft.	55.00/roll of 100'
Clear Vinyl PVC Tubing	Discharge Tubing for Sampling/Purging		1/2"	5/8"	RYN-0500-135	\$.40/ft.	\$ 40.00/roll of 100'
			3/8"	1/2"	RYN-0500-107	.30/ft.	30.00/roll of 100'
Polyethylene Tubing	Discharge Tubing for Sampling/Purging		.17"	1/4"*	RYN-0525-016	\$.33/ft.	\$ 33.00/roll of 100'
			.17"	1/4"*	RYN-0525-017	.29/ft.	145.00/roll of 500'
			1/8"	1/4"*	RYN-0525-018	.40/ft.	40.00/roll of 100'
			3/16"	5/16"	RYN-0525-020	.80/ft.	80.00/roll of 100'
			1/4"	3/8"*	RYN-0525-024	.58/ft.	58.00/roll of 100'
			1/4"	3/8"*	RYN-0525-025	.53/ft.	265.00/roll of 500'
			3/8"	1/2"	RYN-0525-032	.77/ft.	77.00/roll of 100'
			3/8"	1/2"	RYN-0525-033	.75/ft.	375.00/roll of 500'
			1/2"	5/8"	RYN-0525-040	.93/ft.	93.00/roll of 100'
			.60"	3/4"	RYN-0525-048	1.35/ft.	135.00/roll of 100'
			.814"	1"	RYN-0525-064	2.25/ft.	225.00/roll of 100'
Silicon Tubing	Peristaltic Pump Head Tubing	Size 15	3/16"	3/8"	RYN-0575-054	\$2.32/ft.	\$ 58.00/roll of 25'
		Size 17	1/4"	3/8"	RYN-0575-071	2.72/ft.	68.00/roll of 25'
		Size 18	3/8"	1/2"	RYN-0575-107	2.80/ft.	70.00/roll of 25'
		Size 24	1/4"	7/16"	RYN-0575-073	2.80/ft.	72.00/roll of 25'
Tygon Tubing	Peristaltic Pump Head Tubing	Size 15	3/16"	3/8"	RYN-0010-054	\$1.89/ft.	\$135.00/roll of 50'
		Size 17	1/4"	3/8"	RYN-0010-071	1.69/ft.	92.00/roll of 50'
		Size 18	3/8"	1/2"	RYN-0010-107	2.04/ft.	155.00/roll of 50'
		Size 24	1/4"	7/16"	RYN-0010-073	2.44/ft.	120.00/roll of 50'
Teflon® Tubing	EPA Approved Downhole Tubing		1/8"	1/4"	RYN-0319-037	\$2.60/ft.	Various
			1/4"	3/8"	RYN-0319-071	3.85/ft.	Various
			3/8"	1/2"	RYN-0319-107	5.20/ft.	Various
Pure-Line-1 Teflon® Tubing	EPA Approved Discharge Tubing		1/8"	1/4"	STG-010	\$1.75/ft.	Various
			3/16"	1/4"	STG-020	1.96/ft.	Various
			1/4"	5/16"	STG-030	2.75/ft.	Various
	A Polyethylene Tubing lined with Teflon®		1/4"	3/8"	STG-040	3.40/ft.	Various
			3/8"	7/16"	STG-050	3.72/ft.	Various
			3/8"	1/2"	STG-060	4.05/ft.	Various
			1/2"	5/8"	STG-070	4.46/ft.	Various

Groundwater Sampling Equipment

Page 16



Pure-Line-1 Features

- Groundwater Applicable
- No fillers
- Excellent alcohol and chemical resistance
- Rapid installation
- Cleans easily
- Odorless and tasteless
- More flexible than solid Teflon®
- No plasticizers
- No VCM
- Translucent

Tech Tip

Tubing tends to be a high restock item. Please take special care to ensure your tubing size and type properly reflects your sampling project needs. Thank you.

Sampling Accessories: Page 34.

Peristaltic Pump Tubing Specifications

Tubing cross sections	Thin-wall tubing						Thick-wall tubing	
	Size 13	Size 14	Size 16	Size 25	Size 17	Size 18	Size 15	Size 24
Inside diameter* in. (mm)	0.03 (0.8)	0.06 (1.6)	0.12 (3.1)	0.19 (4.8)	0.25 (6.4)	0.31 (7.9)	0.19 (4.8)	0.25 (6.4)
Hose barb size* in. (mm)	1/16 (1.6)	1/16 (1.6)	1/8 (3.2)	3/16 (4.8)	1/4 (6.4)	3/8 (9.5)	3/16 (4.8)	1/4 (6.4)
Flow range† ml/min with 6 to 600 rpm drive	0.36 to 36	1.3 to 130	4.8 to 480	10 to 1000	17 to 1700	23 to 2300	10 to 1000	17 to 1700



Groundwater Filtration

Groundwater Sampling Equipment

Page 17

1 AquaPrep Filter

The AquaPrep Filter is an affordable alternative for smaller samples and easy-to-filter, particle-free groundwater samples. It has 20 cm² of effective filtration area.

2 AquaPrep-V

The AquaPrep-V™ offers the same size as the AquaPrep, but incorporates Gelman Sciences nylon-supported membrane, which is very popular for groundwater applications.

3 High-Capacity Groundwater Sampling Filter

Like the Enviro-Tech filter below, this filter is also bagged and labeled with QA/QC certification, as shown. And, as with our other brand name filters, this filter undergoes a clean rinse. For the finest in filter quality and certification, look to Enviro-Tech as your best QuickFilter source.

QuickFilter Certification

All QuickFilter cartridges are certified to exhibit non-detectable levels of the following analytes, based on analysis of effluent water using the procedure described below. Analysis is performed by an outside independent testing laboratory utilizing standard US EPA methods.

Element	MDL (mg/L)	Element	MDL (mg/L)	Element	MDL (mg/L)
Aluminum	0.040	Chromium	0.001	Nickel	0.002
Antimony	0.002	Cobalt	0.001	Potassium	0.1
Arsenic	0.001	Copper	0.004	Selenium	0.004
Barium	0.005	Iron	0.01	Silver	0.0002
Beryllium	0.0002	Lead	0.002	Sodium	0.040
Cadmium	0.0002	Magnesium	0.02	Sulfate	0.025
Calcium	0.03	Mercury	0.0002	Thallium	0.002
Chloride	1.0	Molybdenum	0.005	Zinc	0.005



1 AquaPrep Filter



2 AquaPrep-V

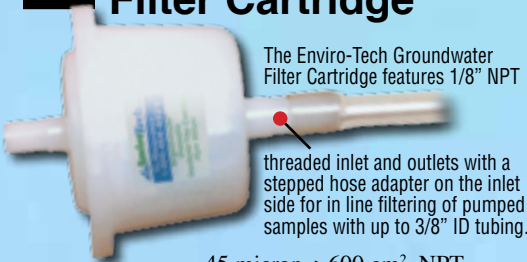


3 High-Capacity Polyethersulfone Groundwater Filter

	Product	Inlet/Out Connection	0.45µm Membrane	Effective Filtration Area	Qty.	Cat. No.	Price
1	AquaPrep (Gelman)	1/4-1/2 in. Hose Barb	Thermopor™	20 cm ²	20/pack	AQU-4270	\$230.51
2	AquaPrep-V™ (Gelman)	1/8 in. NPT	Versapor	20 cm ²	20/pack	AQU-4274	230.51
					100/pack	AQU-4274	928.05
3	High Capacity Groundwater Filter (QuickFilter®)	1/8 in. NPT	Polyethersulfone	609 cm ²	1/pack	AQU-GF-1	22.00
					10/pack	AQU-GF-10	210.00
					50/pack	AQU-GF-100	880.00

See Tubing Chart on Page 23 for Tubing Prices and Sizes

4 Enviro-Tech's Groundwater Filter Cartridge



The Enviro-Tech Groundwater Filter Cartridge features 1/8" NPT

threaded inlet and outlets with a stepped hose adapter on the inlet side for in line filtering of pumped samples with up to 3/8" ID tubing.

An optional stepped barb can be threaded on each end for use of up to 1/2" tubing.

.45 micron, >600 cm², NPT and barbed inlet fittings

Features:

- True membrane element
- Certification for 67 metals and 2 anions
- Completely inert components and assembly process
- Ready to use
- Individually sealed packaging
- 1/8" NPT threaded ends with stepped hose adapter on inlet side
- .45µm, 1 µm and 5µm elements available

Validated for 67 Metals and 2 Anions

High Capacity

Designed especially for filtering groundwater samples

Cat No.	Product	Price	Extended
4 ET-GF-1	GWE High Capacity Filter Single	\$18.95 ea.	\$18.95
ET-GF-10	GWE High Capacity Filter 10/pk.	16.27 ea.	162.70
ET-GF-25	GWE High Capacity Filter 25/pk.	15.23 ea.	380.75
ET-GF-50	GWE High Capacity Filter 50/pk.	12.70 ea.	635.00
ET-GF-MB	Barbed Adapter	2.00 ea.	2.00

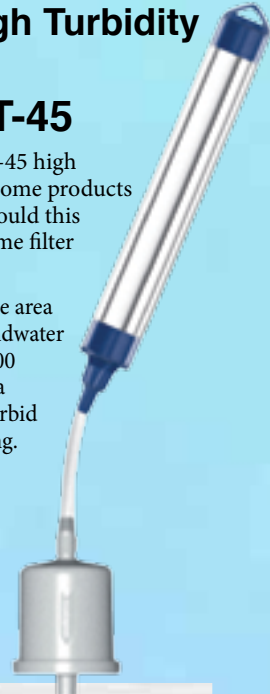
5 Presenting the New High Turbidity Filter by Waterra USA: High Turbidity – FMT-45

Not all filters are created equal. The Waterra FMT-45 high turbidity filter contains 700 square cm of media. Some products on the market call themselves high capacity, but could this be true when they contain less than 80% of the same filter media?

The Waterra FMT-45 offers the user the most surface area available in a capsule designed specifically for groundwater monitoring. The unique open pleat geometry and 700 square cm surface area provide the maximum media exposure while ensuring that, even with the most turbid samples, you will not lose filtration media to blinding.



Note the nipple design allowing for access to a filter or any tubing size.



Cat No.	Product	Price
5 WAT-GF-1HT	Waterra High Turbidity FMT-45 Filter (Single)	\$ 19.00
WAT-GF-10HT	Waterra High Turbidity FMT-45 Filter (10 pk)	185.00
WAT-GF-50HT	Waterra High Turbidity FMT-45 Filter (50 pk)	680.00

*Prices subject to change without notice

Call Toll Free 1.800.468.8921





EPA/VOA Vials

Enviro-Tech offers a complete line of VOA glass vials in 20, 40 and 60 mL sizes. All are washed and certified clean to USEPA procedures. Analysis is performed by Independent Certified Laboratories to the new "ELAP" levels (DOD/DOE). All VOA vials include a "low bleed" septa lot tested to Method TO15.

Type	Capacity oz.	Cat. No.	Closure Size	Quantity Per Case	UC Class	PC Class	QC Class
Open Top							
60 mL Clear	2.00	7260-0300	24-414	72	\$ 92.44	\$ 100.15	\$ 109.39
60 mL Clear	2.00	0060-0300	24-414	144	169.48	184.89	203.38
60 mL Clear	1.35	0040-0300	24-414	72	77.04	84.74	93.38
60 mL Clear	0.67	0020-0300	24-414	72	78.58	86.28	95.52
60 mL Amber	2.00	7260-0400	24-414	72	100.15	107.08	117.10
60 mL Amber	2.00	0060-0400	24-414	144	184.89	200.30	218.79
60 mL Amber	1.35	0040-0400	24-414	72	80.89	88.59	97.84
Closed Top							
60 mL Clear	2.00	7260-0310	24-414	144	\$ 169.48	\$ 184.89	\$ 203.38
60 mL Clear	1.35	0040-0310	24-414	72	77.04	84.74	93.38
60 mL Clear	0.67	0020-0310	24-414	72	78.58	86.28	95.52
60 mL Amber	2.00	0060-0410	24-414	144	184.89	200.30	218.29
60 mL Amber	1.35	0040-0410	24-414	72	80.89	88.59	97.84



Clear and Amber Wide Mouth Jars

Enviro-Tech offers clear and amber wide mouth jars for easy collection and access to your sample. Wide mouth jars are supplied with Teflon® lined polypropylene closures. All jars are washed and certified clean to USEPA procedures. Analysis is performed by Independent Certified Laboratories to the new "ELAP" levels (DOD/DOE).

Type	Capacity mL.	Cat. No.	Closure Size	Quantity Per Case	UC Class	PC Class	QC Class
Clear – Short							
16 oz.	500	0500-0015	89-400	12	\$ 29.14	\$ 31.71	\$ 38.13
8 oz.	250	0250-0015	70-400	12	20.03	22.59	29.00
4 oz.	125	0125-0015	58-400	24	32.87	38.00	50.84
2 oz.	60	0060-0015	53-400	24	31.58	36.72	49.56

Not shown but also available are the following Glassware and related products:

- Amber wide mouth jars
- Boston Rounds: clear and amber
- Tall wide mouth jars
- Straight sided jars, clear and amber
- Wide mouth packer jars, clear and amber
- Polyethylene containers, all sizes
- Safety coated VOA Vials
- Custody Seals
- Container Labels
- Teflon Sheeting and Teflon Tape

Water Level Meters

Solinst Model 101

The Solinst Model 101 Flat Tape Water Level Meter is recognized as the industry standard for quality and reliability in water level measurement devices. For measuring the depth of water in wells, boreholes, and standpipes.

Enviro-Tech is a leading Solinst US Distributor. By purchasing in volume we can pass discounts directly to our clients. We will match any price.

Solinst
Still #1



Model 101 Water Level Meter Reels

Features

- Readings to 1/100 ft.
- Sensitivity adjustable to conductivity
- Permanent, not stamped, tape markings
- Stranded stainless steel conductors
- Rugged, free-standing reel
- Corrosion-proof components
- Stainless steel environmental probes
- Meter tapes also available

RENTAL RATES
30 / 90 / 180
DAY WEEK MONTH
Also a Certified Repair Facility

Tape Options

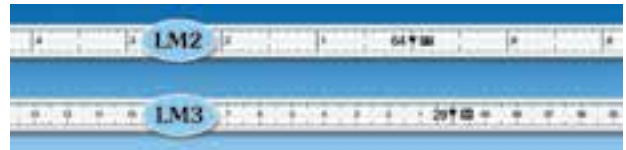
PVDF Laser Marked Tape

The Model 101 P7 Water Level Meter uses extremely durable, PVDF flat tape, certified traceable to national standards. Each tape conductor contains 13 strands of stainless steel and 6 strands of copper-coated steel, making the tape non-stretch and high in tensile strength and electrical efficiency. The tape has a thick dog bone design that prevents adherence to wet surfaces, and allows it to hang straight in application. The tape is also easy to splice.

The 3/8" (10 mm) tape comes with permanent laser markings every 1/100 ft. or each millimeter.

LM2: Feet and tenths: with markings every 1/100 ft.

LM3: Meters and centimeters: with markings every mm



Polyethylene Tape

The Model 101 P2 Water Level Meter uses high quality polyethylene tape that reels smoothly, remains flexible and hangs straight in the well. Heat embossed markings each millimeter or 1/100 ft. allow accurate readings. The 3/8" (10 mm) wide tapes come in lengths up to 1000 ft. (300 m).

M2: Feet and tenths: with markings every 1/100 ft.

M3: Meters and centimeters: with markings every mm.



Cat. No.	Cable Length Available in Feet or Meters	Probe	
		P2	P7
Small Reel			
SOL-100-*	100 feet , 30 meters	\$ 482.00	\$ 522.00
SOL-200-*	200 feet , 60 meters	622.00	702.00
SOL-300-*	300 feet , 100 meters	762.00	882.00
Medium Reel			
SOL-500-*	500 feet , 150 meters	\$ 920.00	\$1,170.00
SOL-750-*	750 feet , 250 meters	1,320.00	1,620.00
SOL-1000-*	1000 feet , 300 meters	1,620.00	2,070.00
Large Reel			
SOL-1250-*	1250 feet , 400 meters	NA	\$2,316.00
SOL-1650-*	1650 feet , 500 meters	NA	3,036.00
SOL-2000-*	2000 feet , 600 meters	NA	3,666.00
Other Options:			
SOL-CB	Carrying Bag SM Med		\$ 75.00
SOL-TG	Tape Guide		20.00

* Place Probe Option (P2, P7) after dash. NA = Not Available.

Probe Options

P7 Probe

The P7 Probe is submersible up to 1000 ft. (300 m), ideal for measuring total well depth. The sensor at the tip of the probe provides consistent measurements with almost zero displacement. The tape seal plug design allows the probe to be quickly and easily replaced, if required.

Size: 5/8" dia., 5.38" long (16 mm x 137 mm)

Weight: ~4.5 ounces (128 g)



P2 Probe

The P2 Probe is shielded in design to reduce or eliminate false readings in cascading water. The probe consists of a stainless steel body with a neoprene heat shrink seal. It is not suitable for submergence to any significant depth. Its simple design makes it easy to repair.

Size: 0.55" dia., 7.5" long (14 mm x 190 mm)

Weight: ~7 ounces (200 g)



Water Level Meters

Coaxial Cable Water Level Meter

For small diameter well measurement

Laser Marked Coaxial Water Level Meter, Model 102

The Solinst Model 102 Water Level Meter is designed to measure groundwater levels, especially in small diameter tubes and piezometers, or where a flexible assembly is needed to get past down hole instrumentation.

Two Probe Options

Model 102 Probes are designed for flexibility. The probe tips use a recessed design to minimize false signals in cascading water.

P10: 3/8" dia. x 2.75" long (10 mm x 70 mm) stainless steel with 10 stainless steel weights, weighing 6.14 oz (174 g). This probe is ideal for the majority of water level measurement applications.

P4: 0.157" dia. x 1.5" long (4 mm x 38 mm) stainless steel weighing 0.35 oz (10 g), with no weights. It is ideal only for shallow applications and for accessing very narrow diameters.



Cat. No.	Description	Price
SOL-102-100	Small Reel Solinst WLM 100 ft. 30 m	400.00
SOL-102-200	Small Reel Solinst WLM 200 ft. 60 m	460.00
SOL-102-300	Small Reel Solinst WLM 300 ft. 100 m	520.00
SOL-102-500	Medium Reel Solinst WLM 500 ft. 150 m	679.00
SOL-102-750	Medium Reel Solinst WLM 750 ft. 250 m	979.00
SOL-102-1000	Medium Reel Solinst WLM 1000 ft. 300 m	1,279.00
SOL-102-CB	Small & Medium Carry Bag	75.00



Measure Water Levels within the narrow channels of a Solinst CMT™ System.



Model 102 Coaxial Meter Laser Marked Cable

RENTAL RATES
30 / 90 / 180
DAY WEEK MONTH
Also a Certified Repair Facility

Groundwater Sampling Instrumentation Page 20

Solinst – Shallow or Deep Well Measurement

Deep Well Measurement with Solinst Power Reel

Power Reels: Power reels can be very useful to allow faster, or less strenuous, operation of longer lengths of tape.



Cat. No.	Description	Volts	Price
SOL-110817	Power Reel w/Electronics – 2500' or 750m	110V	\$ 3,674.00
SOL-110819	Power Reel w/Electronics – 5000' or 1500m	110V	3,965.00
SOL-110821	Power Reel w/Electronics – 2500' or 750m	12V	3,226.00
SOL-110824	Power Reel w/Electronics – 5000' or 1500m	12V	3,517.00

Coaxial Shallow Meter, Model 102M

The laser marked coaxial cable is mounted on a convenient small reel that is light-weight and fits easily into a mini carrying case or backpack. The accurate cable is marked each 1/100 ft. or each millimeter.

The 102M Mini Water Level Meter is available in 80 ft. and 25 m lengths. There is the choice of the P4 or P10 Probe.

Cat. No.	Description	P4 Probe	P10 Probe
SOL-102M-80	Mdl. 102 Mini WLM 80'	\$ 374.00	\$374.00
SOL-CBM	Carry Bag: Mdl. 102 Mini WLM		50.00

80-feet & Portable

Features:

- Small and Compact
- Perfect for remote, shallow well measurement



Water Level Meters

Heron Water Level Meters

Heron Meters are fast becoming an industry standard. This top line instrument is known for its field durability and accuracy. It is exceptional value and all of the Heron meters include these features:

Heron Meter Features:

- Unbreakable Polycarbonate reels
- Durable polyester powder coated steel frame
- Corrosion resistant stainless steel fittings
- Soft grip vinyl frame handle
- Large ergonomic brake and winding handles
- Water and dust proof encapsulated electronics
- Strong and accurate NTS** certified tape with stainless steel conductors
- Full depth Stainless Steel and Teflon® Probe

Heron Meter Pricing

1 Dipper-T Water Level Meter (W.L.M.)		
Cat. No.	Description	Price
HER-50WLM	50 ft. Dipper-T W.L.M.	\$ 539.00
HER-100WLM	100 ft. Dipper-T W.L.M.	599.00
HER-150WLM	150 ft. Dipper-T W.L.M.	649.00
HER-200WLM	200 ft. Dipper-T W.L.M.	699.00
HER-300WLM	300 ft. Dipper-T W.L.M.	799.00
HER-500WLM	500 ft. Dipper-T W.L.M.	1,040.00
HER-750WLM	750 ft. Dipper-T W.L.M.	1,399.00
HER-1000WLM	1000 ft. Dipper-T W.L.M.	1,679.00
HER-1500WLM	1500 ft. Dipper-T W.L.M.	2,439.00
HER-2000WLM	2000 ft. Dipper-T W.L.M.	3,079.00
HER-DSPK	Dipper-T Spare Probe Kit	110.00
HER-CB	Dipper-T Carry Bag	67.00

2 Little Dipper Water Level Meter (W.L.M.)		
Cat. No.	Description	Price
HER-50WLM	50 ft. Little Dipper Water Level Meter	\$ 489.00
HER-75WLM	75 ft. Little Dipper Water Level Meter	519.00
HER-CB	Dipper-T Carry Bag	67.00

3 Drillers Water Level Meter (W.L.M.)		
Cat. No.	Description	Price
HER-D100	100 ft. Drillers Water Level Meter	\$ 489.00
HER-D200	200 ft. Drillers Water Level Meter	579.00
HER-D300	300 ft. Drillers Water Level Meter	699.00
HER-D500	500 ft. Drillers Water Level Meter	859.00
HER-D1000	1000 ft. Drillers Water Level Meter	1,399.00
HER-CB	Drillers W.L.M. Carry Bag	67.00

1
Dipper-T Standard Water Level Meter. Meter includes polyethylene jacketed tape, measured to 1/100' engineering scale, and stainless/Teflon® probe and a 24 month warranty.

Enviro-Tech is a leading Heron Distributor. Our high volume in-stock purchasing power allows us to pass discounts to our clients. Our prices are the best nationwide.

RENTAL RATES
30 / 90 / 180
DAY WEEK MONTH
Also a Certified Repair Facility



2
Little Dipper Water Level Meter. Meter includes a 75-foot Tape measured to 1/100', 3/8" Diameter S.S./Teflon® Probe and a 24 month warranty.

3
Drillers Water Level Meter. Meter includes polyethylene jacketed tape measured at 1-foot increments. Probe is 5/8-inch diameter stainless steel/Teflon®. Meter includes a 24 month warranty.



Specifications

Specifications	1 Dipper-T W.L.M.	2 Little Dipper W.L.M.	3 Drillers W.L.M.
Signal	Audible Buzzer and Light	Audible Buzzer and Light	Audible Buzzer and Light
Weight	4.1 lbs.	2.75 lbs.	9 lbs.
Dimensions	10 in. x 10 in.	6 in. x 5 in.	14.5 in. x 1.5 in.
Power	9 volt battery	9 volt battery	9 volt battery
Tape Length	50-2500 ft.	75 ft.	300 ft.
Graduation	1/100 ft.	1/100 ft.	1 ft. increments
Probe Size	3/8 in. x 4 in.	3/8 in. x 4 in.	5/8 in. x 7.5 in.
Probe Materials	Stainless Steel and Teflon	Stainless Steel and Teflon	Stainless Steel and Teflon
Tape	Polyethylene covered w/ stainless steel cover	Polyethylene covered w/ stainless steel cover	Polyethylene covered w/ stainless steel cover
Warranty	24 Months	24 Months	24 Months

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Water Level Meters

Slope Indicator Water Level Meter



A Historical Perspective.

First manufactured in 1979. The Slope Indicator Model Water Level Meter has always been a reliable and popular brand. This Model was one of the first Water Level Meters built to service the geotechnical industry. That later evolved into servicing the groundwater and other industries. Even though other manufacturers have since emerged, many customers call and prefer the well-built, compact and easy-to-use Slope Indicator Water Level Meter.

Cat. No.	Description	Price
DUR-51690010	Water Level Indicator, 100 ft. cable with handle	\$ 495.00
DUR-51690014	Water Level Indicator, 150 ft. cable with handle	534.00
DUR-51690012	Water Level Indicator, 100 ft. cable with stand	529.00
DUR-51690015	Water Level Indicator, 150 ft. cable with stand	573.00
DUR-51690030	Water Level Indicator, 300 ft. cable with stand	667.00
DUR-51690050	Water Level Indicator, 500 ft. cable with stand	1,177.00
DUR-51690100	Water Level Indicator, 1000 ft. cable with stand	1,652.00
DUR-51690015	Water Level Indicator, 100 ft., 1/4-in. probe	\$ 695.00
DUR-51690030	Water Level Indicator, 150 ft., 1/4-in. probe	778.00
DUR-51690050	Soft Case for WLI/Sondex 9" reels	\$ 48.00
DUR-51690100	Soft Case for WLI/Sondex 11" reels	97.00

RENTAL RATES
30 / 90 / 180
DAY WEEK MONTH
Also a Certified Repair Facility

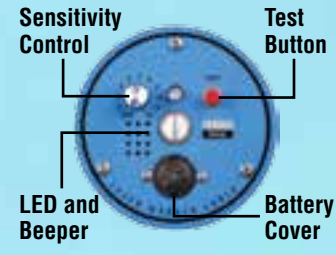
Nationwide Distributor for

Water Level Indicators

Indicator Controls

- Sensitivity control provides consistent results in different well and water conditions.
- LED and Beeper provide a positive indication of contact with water.
- Test Button checks the batteries, beeper, and LED.
- Battery Cover provides easy access to two AA batteries. Low power circuits provide excellent battery life.



Sonic Depth Meter



The Sonic Well Depth Meter has been designed with the well driller/pump installer in mind. The specially developed low frequency sonic measuring technique carries out fast, accurate measurements to 750 feet. No probes or wires need go down-hole to get hung up or broken off. Operates during a pump test. The unit will measure 2" or larger wells, even capped wells that have a 5/8" or larger access hole. Accuracy is to within 1/10 of 1% of the total depth of the water.

The benefit of model 200U is being able to configure units. Gain/Sensitivity Mode – there are two choices available, Fixed or Variable.

RENTAL RATES
45 / 135 / 405
DAY WEEK MONTH
Also a Certified Repair Facility



Sonic Meter, Model 100

Cat. No.	Description	Price
ET-RAV-200	Sonic Meter Kit, Model 200U	\$1,425.00

Includes a hard plastic, foam-lined case with adaptors for uncapped wells and instructions. Complete one-year warranty.

Tag Line Model 103

The Solinst Tag Line uses a weight attached to a laser marked cable, and is principally designed for use during the installation of monitoring wells. The Tag Line also provides a simple method to measure the depth to the bottom of a well.

Applications Where Tag Lines are Useful

- Accurately measure depth to backfill during well construction
- Measured safety support line for deployment of pumps, samplers and packers

Cat. No.	Description	Pricing	
		Coaxial	Flat Tape
SOL-103-100	100' Solinst Tag Line	\$ 331.00	\$ 380.00
SOL-103-200	200' Solinst Tag Line	391.00	560.00
SOL-103-300	300' Solinst Tag Line	451.00	740.00
SOL-103-500	500' Solinst Tag Line	610.00	900.00
SOL-103-750	750' Solinst Tag Line	910.00	1,350.00
SOL-103-1000	1000' Solinst Tag Line	1,210.00	1,800.00
SOL-1/2-OP	Optional 1/2" Probe	75.00	75.00
SOL-103-CB	Small & Medium Carry Bag	75.00	75.00



Datalogging Oil/Water Interface Meters

Solinst® Interface Meter Model 122



Solinst Model 122 Interface Meter

Solinst Oil/Water Interface Meters give accurate measurements of product level and thickness in wells and tanks.

Determination of both floating non-aqueous liquids (LNAPL) and sinking non-aqueous liquids (DNAPL) is quick and easy. The factory-sealed probes are pressure proof and tapes are available in a range of lengths up to 1,000 ft.

The 5/8" diameter 122 P8 stainless steel probe is excellent for the vast majority of product monitoring situations. The beam is emitted from within a cone-shaped tip made from rigid polyurethane. This tip is protected by an integral stainless steel shield.

RENTAL RATES
75 / 225 / 675
DAY WEEK MONTH
Also a Certified Repair Facility

Interface & Mini-Interface Meter Pricing

Cat. No.	Description	Price
SOL-INT100	Solinst Model 122 Interface Meter w/100' tape	\$ 939.00
SOL-INT200	Solinst Model 122 Interface Meter w/200' tape	1,119.00
SOL-INT300	Solinst Model 122 Interface Meter w/300' tape	1,299.00
SOL-INT500	Solinst Model 122 Interface Meter w/500' tape	1,582.00
SOL-INT65	Mini-Interface Meter w/65' tape	752.00

Price includes meter, tape guide, probe cleaning brush.

Mini-Interface Meter



The Mini 122 is a convenient small version of the Solinst Interface Meter, small enough to fit in a backpack. A custom carrying bag is also available. The Mini is available in 65 ft. length. The narrow 1/4" tape is accurately marked each 1/100 ft. Enhanced electronics allow operation for up to 300 hours of on-time, using one 9V battery.

Heron Interface Meter

Enviro-Tech is now a nationwide distributor for the popular Heron Instruments Interface Meter. This is a fine, competitively priced meter, proven now under field conditions for over 5 years.

Specifications

Accurate tape US-GGG-T-106E Field changeable probe Signal	Reliability and repeatability Serviceability Water - Intermittent Light & Tone Oil - Solid Light & Tone
Weight Dimensions Power Tape length Graduation Probe size Tape	4 1/4 lbs. 8 in. H x 8 in. W One 9 volt battery 60 ft. 1/100th ft. 6 in. x 5/8 in. (3/4 with shield) Kynar coated w/ s.s. conductors



Cat. No.	Description	Price
HER-INT-100	100-ft. Interface Meter	\$ 929.00
HER-INT-200	200-ft. Interface Meter	1,109.00
HER-INT-300	300-ft. Interface Meter	1,289.00
HER-INT-500	500-ft. Interface Meter	1,572.00



Heron Small Interface Meter

The Sm.OIL uses the same technology as the popular Heron H.OIL Interface Meter. The probes are field serviceable and the electronics are fully encapsulated for environmental protection. The tape complies with US GGG-T-106E, a recognized standard, assuring you of reliable, repeatable and accurate readings.

Specifications

Lightweight Accurate tape US-GGG-T-106E Field changeable probe Signal	Portability Reliability and repeatability Serviceability Water - Intermittent Light & Tone Oil - Solid Light & Tone
Weight Dimensions Power Tape length Graduation Probe size Tape	4 1/4 lbs. 8 in. H x 8 in. W One 9 volt battery 60 ft. 1/100th ft. 6 in. x 5/8 in. (3/4 with shield) Kynar coated w/ s.s. conductors



Cat. No.	Description	Price
HER-INT-60	Small Interface Meter 60-ft. and canvas carry bag	\$ 839.00



*Prices subject to change without notice

Datalogging

Presenting *Solinst*® Levelogger Junior Levelogger Junior Edge

Model 3001

The Levelogger Junior Edge provides an inexpensive alternative for measuring groundwater and surface water levels and temperature. The Levelogger Junior Edge combines a pressure sensor, temperature detector, datalogger, and 5-year battery (based on a 1-minute sampling rate) in one compact 7/8" x 5.6" (22 mm x 142 mm) stainless steel housing.

The Levelogger Junior Edge records absolute pressure using the same durable Hastelloy® pressure sensor as the Levelogger Edge. The Hastelloy sensor has excellent performance in harsh environments with better temperature compensation and thermal response time, and can withstand 2 times overpressure without permanent damage.

The Levelogger Junior Edge features FRAM memory, with a capacity of 40,000 sets of temperature and water level data points. Readings are linear at a user-defined interval between 0.5 second to 99 hours. Accuracy is 0.1% FS, with lifetime factory calibration.

If greater accuracy, more sampling options, or wider depth ranges are required, the Solinst Levelogger Edge has the functionality to suit your application (see Model 3001 Edge data sheet). For conductivity datalogging, Solinst also offers the LTC Levelogger Junior (see Model 3001 LTC Levelogger Junior data sheet).


Applications

- Monitoring water levels in wells and surface water
- Pump and slug tests
- Reservoir and stormwater runoff management
- Watershed and drainage basin monitoring
- Stream gauging, lake and wetland monitoring
- Tank level measurement

RENTAL RATES
60 / 180 / 560
DAY WEEK MONTH
Also a Certified Repair Facility



Model 3001 Junior Edge



Cat. No.	Description	Price
	 Model 3001 Levelogger Junior Edge	
SOL-110241	Junior LT M5, F15	\$ 397.00
SOL-110242	Junior LT M10, F30	397.00
SOL-110179	Barologger Edge M1.5, F5	304.00
Cable Assemblies (c/w pair of hooks & spool)		
SOL-102401	50-foot Assembly	\$ 23.00
SOL-102402	100-foot Assembly	35.00
SOL-102403	200-foot Assembly	60.00
SOL-102404	300-foot Assembly	85.00
SOL-102405	500-foot Assembly	135.00
Comm Package - Optical Reader		
SOL-110149	Std. Comm. Package (RS232) Optical Reader (c/w optical reader, CD with manual, DOS & Windows software)	\$ 149.00

Confused?

This chart will assist you in deciding which levelogger is best for your project

Solinst®

Levelogger Comparison

Model 3001	 CE WEEE	 CE WEEE
	Levelogger Edge	Levelogger Junior Edge
Warranty	3 Years	1 Year
Pressure Transducer	Piezoresistive Silicon with Hastelloy Sensor	Piezoresistive Silicon with Hastelloy Sensor
Calibrated Ranges:	15, 30, 65, 100, 300, 600 ft, Atm. Barologger 5, 10, 20, 30, 100, 200 m, Atm. Barologger	15, 30 ft 5, 10 m
Accuracy	± 0.05% FS (Barologger Edge ±0.05 kPa)	± 0.1% FS
Normalization	Automatic Temperature Compensation	Automatic Temperature Compensation
Calibration	Factory – Lifetime calibration	Factory – Lifetime calibration
Response Time (90% Thermal Δ)	1 minute/10°C change	1 minute/1°C change
Temp Comp Range	0 to +50°C (Barologger Edge -10 to +50°C)	0 to +40°C
Over-pressure Range	2 X	2 X
Temperature Sensor	Platinum Resistance Temperature Detector (RTD)	Platinum Resistance Temperature Detector (RTD)
Temperature Accuracy	± 0.05°C	± 0.1°C
Temperature Resolution	0.003°C	0.1°C
Operating Temp Range	-20 to +80°C	-20 to +80°C

Groundwater Sampling Instrumentation

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Datalogging

Introducing the Levelogger Edge

Solinst has completely redesigned the datalogger system known as the Levelogger. Its new version operates the same way. However, it does considerably more and costs much less.



RENTAL RATES
60 / 180 / 560
DAY WEEK MONTH
Also a Certified Repair Facility

Cat. No.	Description		Price
SOL-110023	Edge LT	M5, F15	\$ 581.00
SOL-110180	Edge LT	M10, F30	581.00
SOL-110182	Edge LT	M20, F65	581.00
SOL-110183	Edge LT	M30, F100	581.00
SOL-110184	Edge LT	M100, F300	581.00
SOL-110179	Barologger Edge	M1.5, F5	304.00
Cat. No.	Cable Assemblies (c/w pair of hooks & spool)		Price
SOL-102401	50ft Assembly		\$ 23.00
SOL-102402	100ft Assembly		35.00
SOL-102403	200ft Assembly		60.00
SOL-102404	300ft Assembly		85.00
SOL-102405	500ft Assembly		135.00
Custom Cable lengths			
SOL-106191	Spare Wireline Hooks (set of 2)		10.00
Comm Package - Optical Reader			
SOL-110149	Std. Comm. Package (RS232) Optical Reader (c/w optical reader, CD with manual, DOS & Windows software)		149.00
Cat. No.	Direct Read Cable Assemblies		Price
SOL-110582	5ft		\$ 80.00
SOL-104904	15ft		89.00
SOL-104766	50ft		118.00
SOL-104767	100ft		161.00
SOL-104768	200ft		246.00
SOL-105256	250ft		289.00
SOL-104769	300ft		331.00
Custom Cable Lengths			
SOL-103222	Direct Read Cable \$/ft (Up to 800ft)		0.77
SOL-106247	DR Cable Connector Assembly		95.00
Accessories			
SOL-110099	2" Direct Read Well Head, 3001 Well Cap		\$ 26.00
SOL-110235	4" Direct Read Well Head Adapter		25.00
SOL-106985	PC Interface Cable (RS232)		123.00
SOL-109609	PC Interface Cable (USB)		203.00
Direct Read Communications Package			
SOL-107379	Communications Package (USB) (c/w optical reader, PC Interface cable, CD with manual, DOS & Windows software)		397.00
Cat. No.	Accessories		Price
SOL-110749	Optical Reader (USB)		\$ 149.00
SOL-101582	LTC Calibration Solution (1413µS-460ml)		21.00
SOL-105008	LTC Calibration Solution (5000µS-460ml)		36.00
SOL-101583	LTC Calibration Solution (12880µS-460ml)		21.00
SOL-110609	Black Top Cap (spare) set of 10		15.00

New 2017 Product Release – Level, Temp & Cond Levelogger

Solinst now has a Levelogger Model 3001 LTC Edge. This logger does Level, Temperature and Conductivity. Just released in 2017. Call for details.

Select Levelogger in 3 Steps:

Step 1 – Choose Levelogger

1) **Pick** your Levelogger(s) from these basic units. When choosing a Levelogger, consider the range of your water fluctuation. (ie: F15 means the range of fluctuation is 0-15 feet or 5 meters)

- Edge Standard Levelogger measures absolute pressure (water pressure and atmospheric pressure) expressed in feet of water column.
- Barologger Edge - Compensated logger for atmospheric pressure and positioned above the waterline.
- LTC Levelogger Jr. - Combined pressure, temperature and 4-electrode conductivity sensor.



Step 2

2) **Choose** either a Wireline or Direct Read assembly with Communications Package. Only one communication package for programming and data retrieval is required.

Levelogger Edge connected to the Direct Read Cable



Step 3 – Pick Accessories as needed

Leveloader Gold

The Leveloader Gold is a data transfer unit designed for use with all versions of the Solinst Levelogger, Barologger and Rainlogger. It is used to download and store multiple data files.

The 8 Mb FLASH memory stores up to 1,390,000 LT readings, 930,000 LTC readings, or 34 full Levelogger downloads. It can also be used to display data in real-time, and has optional password protection.



Convenient Sampling Options

Leveloggers can be programmed with linear, event-based, or a user-selectable sampling schedule. Linear sampling can be set from 1/8 second to 99 hours.

Event-based sampling can be set to record when the level changes by a selected threshold. Readings are checked at the selected time interval, but only recorded in memory if the condition has been met. A default reading is taken every 24 hours if no "event" occurs.

The Schedule option allows up to 30 schedule items, each with its own sampling rate and duration. For convenience, there is an option to automatically repeat the schedule.

The Levelogger Edge can be programmed with compressed linear sampling, which increases memory from 40,000 to up to 120,000 readings.



pH / ORP Pocket Testers

Groundwater Sampling Instrumentation

Waterproof pH Tester

Never again watch your tester sink to the bottom of a tank or pond—the OAKTON Double Junction pHTestr 10 floats! Unique double junction electrode design and increased reference gel volume give you significantly longer electrode life, especially in harsh applications. Automatic Temperature Compensation and three point push button calibration provide high accuracy, even under varying temperature conditions.



- Push button calibration
- Replaceable electrode
- Durable and rugged
- Waterproof housing
- Auto buffer recognition
- Hold functions

Waterproof ORPTestr 10

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.

Replaceable sensor lets you reuse the meter body many times without losing waterproof and dustproof protection. Push-button calibration allows for standardizing tester in calibration solutions, or making it agree with an established work standard. Large surface area platinum band sensor for a faster, more stable response.

Tactile button keypad with positive "clicks" confirming your button selection

Double junction electrode allows for long electrode life, even in harsh conditions



Screw cap battery compartment with tight seal ensures waterproof and dustproof protection. Lanyard loop on top of battery cap lets you attach a cord to prevent tester loss.

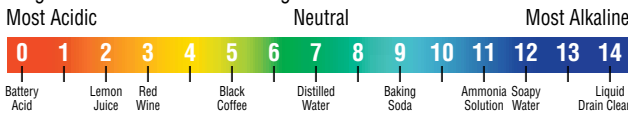
IP67-rated waterproof, dustproof housing floats!

Cat. No.	Description	Price
OAK-WD-35650-10	Waterproof ORPTestr	\$ 226.00
OAK-WD-35650-09	Replacement electrode sensor	103.00

Tech Tips

What is pH?

pH represents the amount of available Hydrogen ions in a solution. It is defined as the negative log of the activity of Hydrogen ions. The scale ranges from 1 to 14 with 7 being neutral.

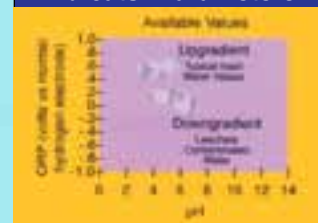


Specifications

Range	Resolution	Accuracy	Calibration
Waterproof double junction pHTestr 1 -1.0 to 15.0 pH	0.1 pH	±0.2 pH	at either 4.0; 7.0 or 10.0 pH
Waterproof double junction pHTestr 2 -1.0 to 15.0 pH	0.1 pH	±0.1 pH	select up to 3 points: 4.0; 7.0 or 10.0 pH
Waterproof double junction pHTestr 3 00.0 to 14.99 pH	0.01 pH	±0.01 pH	select up to 3 points: 4.00; 7.00 or 10.00 pH

Cat. No.	Description	Price
OAK-WD-35634-70	Waterproof pHTestr 1 kit	\$155.59
OAK-WD-35634-80	Waterproof pHTestr 2 kit	166.37
OAK-WD-35634-90	Waterproof pHTestr 3 kit	177.87
OAK-WD-35624-38	Replacement Electrode pH 10, 20, 3	79.00
OAK-WD-35624-45	Beltloop Tester Carry Case	NA
OAK-WD-35624-01	pH4 Single Packets (20/box)	33.25
OAK-WD-35624-02	pH7 Single Packets (20/box)	33.25
OAK-WD-35624-03	pH10 Single Packets (20/box)	33.25
OAK-WD-35658-00	Rinse Single Packets (20/box)	36.75

ORP & pH as Indicator Parameters



Specifications

Range	-99 to +1000 mV
Resolution	1 mV
Accuracy	±2 mV
Calibration	offset adjustment ±150 mV; brings ORPTestr into agreement with your work standard

We carry a full line of single parameter meters

Pocket Testers

Three New Pocket Testers



Ultrapen PT1
Conductivity/TDS/
Salinity/Temp Pen

Ultrapen PT2
pH & Temp Pen

Ultrapen PT3
ORP/Redox &
Temp Pen

Enviro-Tech is
a Nationwide
Distributor for

**MYRON L
COMPANY**
Water Quality Instrumentation

Tech Note

There are several manufacturers of groundwater instruments available for you to choose from. Our experience shows that, over the course of time, one company produces very high quality and exceptionally durable field instrumentation. That company is Myron L. You might pay a little bit more, but there is a high probability you won't need to replace probes or undergo repairs for many, many years. Myron L manufactures some of the best field instruments, plus it's made in the USA.

Cat. No.	Description	Price
MYR-PT1	Pocket Tester Pen, Cond., TDS, Sal., Temp. comes with battery installed, scoop, pocket clip, holster, lanyard, operating instructions	\$ 161.00
MYR-PT2	Pocket Tester Pen, Cond., TDS, Sal., Temp. comes with battery installed, soaker cap, scoop, pocket clip, holster, lanyard, operating instructions	147.50
MYR-PT3	Unit with Accessories and Calibration Kit battery installed, soaker cap, scoop, pocket clip, holster, lanyard, operating instructions	183.50
ACCESSORIES		
MYR-BATT11768	Replacement N Type Battery	\$ 2.00
MYR-BATT11768-B3	Replacement N Type Battery in QTY. 3	5.50
MYR-RPT2	Replacement pH sensor for PT2	51.50
MYR-RPT3	Replacement ORP sensor for PT3	91.00
MYR-PTSC	Replacement Sensor Cap with foam installed	5.50
MYR-OECP-25	ORP Electrode Cleaning Paper in QTY. 25	35.00
MYR-OECP-100	ORP Electrode Cleaning Paper in QTY. 100	134.50

pH, Conductivity & Temperature Meters

Presenting: Myron L TechPro II, Model TPH1

Definitely the toughest & most durable field groundwater instrument for pH, Cond. & Temp.



Benefits and Features

- Up to 4 parameter measurements with one instrument
- Full four-digit LCD display with superior resolution
- Improved electrode cell technology
- Reduce data errors with memory storage for up to 20 readings
- Great for rapid spot checks
- Waterproof to 1 meter/3 feet
- User Selectable solution conversions (tempcos)
- Measures Conductivity/TDS, pH and Temperature



RENTAL RATES
20 / 60 / 150
DAY WEEK MONTH
Also a Certified
Repair Facility

**TechPro II
Model TPH1**

- Conductivity/TDS accuracy of $\pm 1\%$ of reading
- pH accuracy of ± 0.02 pH units
- Temperature Accuracy of ± 0.1 °C/°F
- Easy keypad calibration
- Prompts for simple pH calibration

Ranges

- 0-14 pH
- 0-9999 $\mu\text{S/ppm}$
- 10-20 mS/ppt
- Salinity: 0-20 ppt
- EC: 0-20 mS
- 0-71°C/32-160°F

Cat. No.	Description	Price
MYR-TPH1	Conductivity, TDS, pH, Temperature	\$ 989.00
ACCESSORIES		
MYR-PKUU	Hard foam-lined protective carry case w/ standard/buffer solutions (lg)*	168.00
MYR-PPK	Hard foam-lined protective carry case w/ 4.7 and 10 buffers and storage sol.	131.50
MYR-UPP	Hard foam-lined protective carry case (small)	69.50
MYR-UCC	Soft protective case with belt clip (Blue)	44.00
MYR-UCCDT	Soft protective case with belt clip (Desert Tan)	44.50
MYR-RPG	Replacement pH sensor	161.00

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



pH, Conductivity & Temperature Meters

HANNA Model HI 991300

The Hanna meter, as shown, has become our most popular multi-parameter unit for acquiring pH, Conductivity and Temperature readings for groundwater sampling. Introduced in 1998, Hanna has steadily improved the design and internal circuitry of this meter annually to produce a durable and reliable waterproof field meter. When ordering this meter, consider the protective rubber boot for only \$30. It adds a sharp look and will protect the meter from damage in harsh field environments.

Specifications

Range	0.00 to 14.00 pH; 0.0 to 60.000 (32 to 140°F) 0 to 3999 µS/cm (EC); 0 to 1999 ppm (TDS)
Resolution	0.01 pH; 0.1°C/°F; µS/cm; 1 ppm
Accuracy (@20°C/68°F)	±0.01 pH; ±0.500 (± 1.0°F); ±2% Full Scale (EC/TDS)
Typical EMC Deviation	±0.3 pH; ±100 (± 1.0°F); ±2% Full Scale (EC/TDS)
EC/TDS Conversion Factors	Selectable between 0.45, 0.50 (default), 0.55, 0.60, 0.65, 0.68, 0.70, 0.75, 1.00
EC/TDS Calibration	pH Calibration Automatic 1 or 2 points with 2 sets of memorized buffers Automatic 1 point at 1382 ppm (conv.=0.5); 1500 ppm (conv.=0.7); 1413 µS/cm (others)
Temperature Compensation	pH: Automatic from 0 to 6000; EC/TDS: Automatic from 0 to 60°C
Probe	HI 1288 pH/EC/TDS probe with built-in temperature sensor
Battery Life/Type	500 hours approx. continuous use/4 x 1.5V AAA
Environment	0 to 50°C (32 to 122 °F); 100% R.H.

RENTAL RATES
35 / 105 / 315
DAY WEEK MONTH
Also a Certified Repair Facility



Features

- Waterproof
- °C and °F
- ATC Standard
- Single Rugged Probe
- Two Button Operation
- Comes in Hard Case

Cat. No.	Description	Price
HI 991300	pH, Cond., Temp. Meter	\$ 450.00
HI 710007	Protective Rubber Boot (blue)	34.00
HI 1288	EC/TDS/pH/°C Probe	135.00
HI 710004	Soft Carrying Case	24.00
HI 70030P	Cal. Sol. 12880 µS, 25 pockets 20 mL/pcs	26.00
HI 70038P	Cal. Sol. 6.44 pt, 25 pockets 20 mL/pcs	26.00

Groundwater Sampling Instrumentation Page 28

pH, Conductivity, Temperature, ORP, Resistivity, & TDS



UltraMeter 6P II

Waterproof UltraMeter II

NEW Datalogging & Downloading Capability

Go ahead, dunk it... The Environmental Industry has been waiting a long time for this meter. The UltraMeter 6P is completely waterproof to a depth of three feet. Now, basic field parameters of pH, Conductivity and Temperature can be acquired in a wet environment. Plus, you get three additional parameters of ORP, TDS, and Resistivity. With the ability to store up to 100 readings, this meter is designed for Groundwater Sampling.



Cat. No.	Description	Price
MYR-UM-1	Ultrameter 6P II	\$1,101.00
MYR-UM-2	Ultrameter Field Kit	168.00
ETU2CIP	U Dock Data Downloading Package	217.50

Field Kit Includes:
Rugged all plastic foam lined case
2 oz. each pH Buffers 4, 7 & 10
2 oz. pH Sensor Storage Solution
2 oz. each 442-3000 & KCI-7000



Immersible to 3-feet, lightweight, rugged, easy to decon. & calibrate.

Tech Tip
This meter is rugged. Very few are sent in for repairs in 10 years of service.

RENTAL RATES
35 / 105 / 315
DAY WEEK MONTH
Also a Certified Repair Facility

Turbidity Meters

New Turbidity Technology from HANNA

HANNA's new HI 98703 utilizes an EPA compliant tungsten light source and state-of-the-art optical system that allow consistently reliable and accurate measurements of turbidity, which is measured up to 1000 NTU. Users will appreciate this accuracy, particularly at very low turbidity levels.

Cat. No.	Description	Price
HI 98703	HI 98703 Turbidity Meter	\$ 950.00

Specifications

Turbidity	
Range	0.00 to 9.99; 10.0 to 99.9 and 100 to 1000 NTU
Range Selection	Automatic
Accuracy	±2% of reading plus 0.02 NTU
Repeatability	±1% of reading or 0.02 NTU, whichever is greater
Method	Ratio Nephelometric Method (90°), ratio of scattered light; Adaptation of the USEPA Method 180.1 and Standard Method 2130 B
Turbidity Standards	1, 10, 100, and 750 NTU



NEW Oakton T-100 Field Turbidity Meter

2 year warranty

The Oakton T-100 turbidity meter is easy to calibrate – meter automatically prompts you to the next calibration standard. The large custom LCD displays reading and units of measure. Other features include auto-off, diagnostic error messages and auto-ranging function. Power-saving function lets you take over 1000 readings on a single set of AAA batteries. Sealed optical system with infrared light source delivers high accuracy.

Specifications

Range	0 to 19.99, 20.0 to 99.9; 100 to 1000 NTU	Response Time	less than 6 seconds
Resolution	0.01; 0.1; 1	Display	7 segment LCD
Accuracy	±2% of reading from 0 to 500 NTU; ±3% of reading 500 to 1000 NTU	Light Source	Infrared LED
Sample Volume	15 mL	Operating Temp.	0 to 50°C (32 to 122°F)
		Power	4 AAA Alkaline Batteries

Cat. No.	Description	Price
OAK-MM-35635-00	Oakton T-100 Waterproof Turbidity Meter	\$1,110.00
OAK-MM-35635-52	Replacement Calibration Set, Includes: one each of primary calibration standard cuvettes filled with 0.02, 20.0, 100, and 800 NTU	345.00
OAK-MM-35653-55	Cuvettes, pack of 3	50.25



- Waterproof and dustproof with IP67 rated housing that floats!
- Four point push-button calibration for full-range accuracy
- Auto-ranging from 0 to 1000 NTU

LaMotte Model 2020we Turbidity Meter

The redesigned 2020 turbidity meter combines an advanced microprocessor with a unique patent pending optical chamber resulting in greater accuracy and a wider range. The multi-detector optical configuration assures long term stability and minimizes stray light and color interferences. All readings are determined by the process of signal averaging over a 5 second period. This minimizes fluctuations in readings attributed to large particles and results in rapid, highly repeatable measurements. Ideally suited for both low-level drinking water applications and monitoring high turbidity in the field.

Cat. No.	Description	Price
LM-1970-EPA	LaMotte Model 2020we Turbidity Meter Kit	\$ 999.00
LM-1450	Primary Turbidity Standard 1.0 NTU	49.99
LM-1451	Primary Turbidity Standard 10.0 NTU 60ml	49.99
LM-0967-6	Turbidity Test Vials (set of 6)	35.00

Kit includes: meter, four primary standards (0.02, 20.0, 100 and 800 NTU), two empty cuvettes with light shield caps, 4 AAA batteries, instructions, and hard carry case.

Specifications

Range:	0-4000 NTU/FNU
Resolution:	0.01 NTU/FNU 0.00-10.99 0.1 NTU/FNU 11.00-109.9 1 NTU/FNU 110-4000
Accuracy:	±2% or 0.05 NTU/FNU ±3% above 100 NTU/FNU
Detection Limit:	0.05 NTU/FNU
Range Selection:	Automatic
Reproducibility:	0.02 NTU/FNU or 1%
Light Source:	Tungsten
Power:	USB wall charger or lithium-ion rechargeable battery



Dissolved Oxygen Meters

RENTAL RATES
45 / 130 / 405
DAY WEEK MONTH
Also a Certified Repair Facility

Hanna Model 9142 DO and Temperature Meter



The Hanna Model 9142 is a proven and reliable field portable meter which also measures Temperature. Accessories with this model include alternate probe lengths of 4', 13', 33' and 67'.

Cat. No.	Description	Price
HI-9142	D.O. Meter Model 9142 Kit	\$ 540.00
HI-7040L	Zero Oxygen Solution	16.00
HI-7041S	Oxygen Electrolyte Solution	16.00
HI-76407A/P	Pack of 5 Replacement Membranes	65.00
HI-721317	Rugged Carry Case	45.00

Meter Kit above includes rugged carry case, batteries, instruction manual, 4-meter cable, membranes, and electrolyte solution – a Complete Kit.

Specifications

- Range; 0.0 to 19.9 mg/l
- Resolution; 0.1 mg/l
- Accuracy; ±1.5% Full Scale
- Automatic Temperature Compensation
- Probe; Multiple Lengths up to 67'

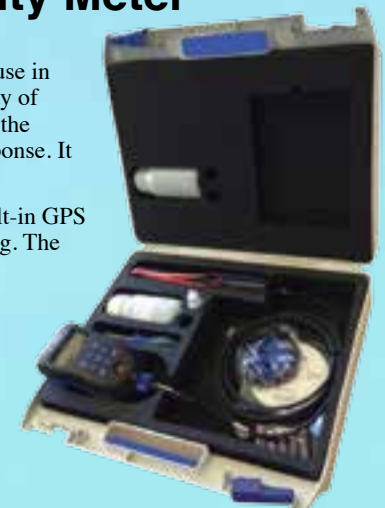
Hanna Model 9142

Multiparameter Instrumentation

Presenting; The New Field Portable Water Quality Meter pH, Conductivity, Temperature, DO, ORP, TDS, Resistivity, Salinity and Turbidity

The Aquameter and Aquaprobe are IP68 rated and constructed of marine grade aluminium and designed for use in fresh, marine and waste-water applications. Its metal construction and weight reflect the superior build quality of the instrument. The probes feature pH/ORP, Conductivity, Dissolved Oxygen and Temperature sensors, with the AP-800 also featuring a nephelometric Turbidity sensor that utilizes sapphire lenses for improved optical response. It features factory replaceable sensors and cable should anything ever go wrong. One Year Warranty.

The Aquameter is IP67 rated for use outside even in the rain. It is rugged and very easy to use. Using the built-in GPS feature, record your data at the push of a button and download the data to a PC for manipulation and reporting. The integrated GPS means you will always know where your data was captured.



Aquameter AP-800 Full Kit



All sensors in one probe
All readings in one screen



Standard parameter specification

Dissolved Oxygen	Range	0 – 500.0% / 0 – 50.00 mg/L
	Resolution	0.1% / 0.01 mg/L
	Accuracy	0 - 200%: ± 1% of reading. 200% - 500%: ± 10%
Conductivity (EC)	Range	0 – 200 mS/cm (0 - 200,000 µS/cm)
	Resolution	3 Auto-range scales: 0 – 9,999 µS/cm, 10.00 – 99.99 mS/cm, 100.0 – 200.0mS/cm
	Accuracy	± 1% of reading or ± 1 µS/cm if greater
TDS *	Range	0 – 100,000 mg/L (ppm)
	Resolution	2 Auto-range scales: 0 – 9,999mg/L, 10.00 – 100.00g/L
	Accuracy	± 1% of reading or ± 1mg/L if greater
Resistivity *	Range	5Ω•cm – 1MΩ•cm
	Resolution	2 Auto-range scales: 5 – 9,999 Ω•cm, 10.0 – 1,000.0 KΩ•cm
	Accuracy	± 1% of reading or ± 1 Ω•cm if greater
Salinity*	Range	0 – 70 PSU / 0 – 70.00 ppt (g/Kg)
	Resolution	0.01 PSU / 0.01 ppt
	Accuracy	± 1% of reading or ± 0.1 unit if greater
Seawater Specific Gravity*	Range	0 – 50 σt
	Resolution	0.1 σt
	Accuracy	± 1.0 σt
pH	Range	0 – 14 pH / ± 625mV
	Resolution	0.01 pH / ± 0.1mV
	Accuracy	± 0.01 pH / ± 5mV
ORP	Range	± 2,000mV
	Resolution	0.1mV
	Accuracy	± 5mV
Temperature	Range	-5°C – +50°C (23°F – 122°F)
	Resolution	0.1° C/F
	Accuracy	± 0.5° C
Turbidity**	Range	0-3,000 NTU
	Resolution	2 auto-range scales : 0.0 - 99.9 NTU, 100 - 3,000 NTU
	Accuracy	± 2% of reading

* Readings calculated from EC and temperature electrode values

** Turbidity only available on the AP-800

AP-700 set parameters

- pH/ORP, TDS, Resistivity
- 4 ring Conductivity*
- Dissolved Oxygen (galvanic)
- Temperature

AP-800 set parameters

- pH/ORP, TDS, Resistivity
- 4 ring Conductivity*
- Dissolved Oxygen (galvanic)
- Turbidity
- Temperature

Cat. No.	Description	Price
EJ-AP-700	Aquameter Full Kit All parameters shown	\$ 2,895.00
EJ-AP-800	Aquameter Full Kit All parameters shown	3,195.00

Packages include the following:

- AP-700 or AP-800 Aquaprobe with 3 m cable
- Handheld GPS Aquameter
- 250 ml RapidCal calibration solution
- Spare DO membrane cap, DO filling solution and pH storage solution
- USB cable and Windows PC application
- Lanyard, screwdriver & 5 AA batteries to power the GPS Aquameter
- Carrying case

Groundwater Sampling Instrumentation Page 30



Multiparameter Instrumentation

YSI Presenting the Professional Plus Multiparameter Meter

Versatile—Use Any Cable and Probe Combination!


The tough rubber over-molded case and variety of Probes and Cables available make the Professional Plus Multiparameter Meter a versatile choice for field use. You can use it to log up to 1000 interval or single-event date sets into the memory and download it to your PC using the included software.

It features automatic temperature, salinity and barometric compensation, plus selectable two-point DO calibration. It also has automatic pH buffer recognition and is waterproof, even without the battery lid. Backlit display offers detailed menus and instructions. Battery level is continuously shown on the display. Keypad is backlit for low-light use. Meter includes software, communication dock and USB cable.



How To Order

Step 1: Order Instrument
(Instrument 626281 includes Data Manager software, the ProComm II communications module, and USB cable)

Step 2: Order Cables 

626250-1, 4, 10, 20, 30, 40, 50, 60 or 100-meter*
(sensors included)



To Order, Select the Meter. Then add-on Cable Length, desired Probes, and Accessories.

Cat. No.	Description	Price
Y60550000	Professional Plus Multiparameter Meter	\$1,220.00
Y605101	pH Probe	175.00
Y605102	ORP Probe	205.00
Y605103	pH/ORP Combination Probe	295.00
Y605105	Chloride Probe	360.00
Y605104	Ammonia Probe	360.00
Y605106	Nitrate Probe	360.00
Y605202	Galvanic DO Probe	180.00
Y605203	Polarographic DO Probe	180.00
Y60510-4	4m Cable for pH/ISE	260.00
Y60520-4	4m Cable for DO/Temperature	265.00
Y60530-4	4m Cable for Conductivity with Probe	330.00
Y6051010-4	4m Cable for Dual ISE/Temperature	570.00
Y6051020-4	4m Cable for DO/pH/Temperature	580.00
Y6051030-4	4m Cable for Conductivity/pH/Temperature	480.00
Y6052030-4	4m Cable for DO/Conductivity/Temperature	630.00

Use this Price Chart to configure Meter and DO Probe only

Cat. No.	Description	Price
	YSI ProODO Handheld Optical DO Instrument	
YSI-626281	ProODO Optical DO Digital Handheld - METER ONLY	\$ 725.00
YSI-626250-4	ODO Digital Probe Assembly w/ 4m Cable	665.00
YSI-626250-10	ODO Digital Probe Assembly w/ 10m Cable	750.00
YSI-626250-20	ODO Digital Probe Assembly w/ 20m Cable	810.00
YSI-626250-30	ODO Digital Probe Assembly w/ 30m Cable	860.00
YSI-626250-40	ODO Digital Probe Assembly w/ 40m Cable	910.00
YSI-626250-50	ODO Digital Probe Assembly w/ 50m Cable	965.00
YSI-626250-60	ODO Digital Probe Assembly w/ 60m Cable	1,040.00
YSI-626250-100	ODO Digital Probe Assembly w/ 100m Cable	1,250.00

Multiparameter Meter Specifications			
	Range	Resolution	Accuracy
Dissolved Oxygen (%) Saturation	0-500%	1% or 0.1% (selectable)	±2% from 0-200%; ±6% from 200-500%
Dissolved Oxygen (mg/L)	0-50	0.1 or 0.001	±2% from 0-20; ±6 from 20-50
Temperature	-5° to 100°C	0.01°C	±0.1°C (%-5° to 70°C)
Conductivity	0-200mS/cm	0.001-0.1mS/cm (range dependent)	±0.5% or ±0.001mS/cm, whichever is greater
Salinity	0-70 ppt	0.01 ppt	±1% or ±0.1 ppt, whichever is greater
pH	0-14	0.01	±0.2
ISE	-1999 to 1999	0.1mV	±20mV
TDS	0-100g/L	Four digits	
Barometer	375-825mm Hg	0.1mm Hg	±3mm Hg

*Prices subject to change without notice



EcoSense®, a line of economically sensible, compact, hand-held water sampling instruments and pen testers. Featuring an easy-to-use interface, one-hand operation, water-resistant case, one-year warranty, and the best data in the business. All this for less.

Years of proven sensor technology have gone into the development of EcoSense for one purpose - to provide a wide-range of under-served markets with affordable, compact water-sampling instruments that deliver the best quality data possible.

To meet the unique requirements for a broad range of applications and markets, EcoSense products offer accurate data, lasting durability, and affordability as defined by low cost of ownership and reduced need for maintenance.

EcoSense instruments have been equipped with the most fundamental features to deliver on this strategy. There is no excess, which means no extra costs and no added complexity. Just a family of products with proven, easy-to-use technology for sampling in just about any environment.

A EcoSense DO/Temp. DO200A



- Watertight case – meets IP-65 specifications
- 1-year instrument warranty
- 1-year DO electrode and cable warranty
- Approximately 450 hour battery life
- Screw-on cap membrane
- Read in either mg/L or % saturation
- Salinity and pressure compensation
- CE compliance
- Automatic temperature compensation

B EcoSense pH/Temp. pH100A Meter



- Watertight case – meets IP-65 specifications
- 1-year instrument warranty
- Internal buffer recognition
- Auto or manual temperature compensation
- Sensors available as single parameter or combinations for pH or mV and temperature
- CE compliance
- Low battery indicator
- Electrode offset recognition
- Autolock mode holds stable readings on display
- Displays electrode efficiency

C EcoSense Cond./Sal./Temp. EC300A Meter



- Watertight case – meets IP-65 specifications
- 1-year instrument warranty
- Rugged weighted probe assembly
- Automatic temperature compensation
- 4 and 10 meter cables available
- Low battery indicator
- Conductivity, salinity, TDS, specific conductance, temperature

Specifications

	YSI DO 200 Meter	YSI pH 100 Meter	YSI EC 300 Meter
Range	0% to 200% air saturation; 0 to 200 ppm; -6°C to 46°C	-2 to 16 pH units; -1.999 to +1.250 mV; -10°C to 120°C	Con: 0.0 to 499.9 µS/cm, 0 to 4999 µS/cm, 0 to 200.0 mS/cm; Temp.: -10°C to 90°C; Salinity: 0.0 to 70.0 ppt
Resolution	0.1% air saturation; 0.01 ppm; 0.1°C	0.01 pH unit; 1 mV; 0.1°C	Con.: 0.1 µS/cm, 0.01 mS/cm, 0.1 mS/cm, 1 mS/cm; Temp.: 0.1°C; Salinity: 0.1 ppt
Accuracy	±2% of the reading or ±2% air saturation, whichever is greater; ±2% of the reading or ±0.2 ppm, whichever is greater; ±0.3°C ±1 digit	±0.1 pH unit ±2 digit; ±0.1 mV ±1 digit; ±0.5°C ±2 digit	Con.: ±1% of reading + µS/cm, ±1% of reading +0.05 mS/cm, ±2.5% of reading +0.5 mS/cm, ±1% of reading +5 µS/cm; Temp.: ±0.2°C or ±0.4% F.S., whichever is greater; Salinity: 0.2% F.S.
Temperature	Auto compensation	Auto/manual compensation	Auto/manual compensation
Operating Range	0°C to 50°C; Humidity up to 95%	0°C to 50°C; Humidity up to 95%	0°C to 50°C; Humidity up to 95%
Housing	Meets IP-65	Meets IP-65	Meets IP-65
Power	9V Alkaline Battery	9V Alkaline Battery	9V Alkaline Battery
Dimensions	2.8"Wx7.3"L	2.8"Wx7.3"L	2.8"Wx7.3"L

Cat. No.	Description	Price
A	DO 200 – DO/Temp.	
YSIDO200	DO 200 Meter	\$290.00
YSIDO2004M	Probe with 4m Cable	310.00
YSIDO20010M	Probe with 10m Cable	330.00
YSIDO200KIT	Membrane Kit, (6) 1.25 mil PE	52.00
B	pH 100 – pH/ORP/Temp.	
YSIDO100	pH 100 Meter	\$265.00
YSIDO1001M	pH Temp Probe w/ 1m Cable	105.00
YSIDO1004M	pH Temp Probe w/ 4m Cable	135.00
YSIDO100-ORP	ORP Electrode w/ 1m Cable	95.00

Cat. No.	Description	Price
C	EC 300 – Cond./Salinity/Temp.	
YSIEC300	EC 300 Meter	\$300.00
YSIEC3004M	Probe with 4m Cable	265.00
YSIEC30010M	Probe with 10m Cable	280.00
	Calibration Solutions	
ET-BP4	500ml Bottle; pH 4 Buffer Solution	18.00
ET-BP7	500ml Bottle; pH 7 Buffer Solution	18.00
ET-BP10	500ml Bottle; pH 10 Buffer Solution	18.00
ET-CS1000	500ml Bottle; Conductance Solution 1000	16.00
ET-CS1413	500ml Bottle; Conductance Solution 1413	16.00
ET-CS10000	500ml Bottle; Conductance Solution 10000	16.00
ET-ORP	500ml Bottle; ORP Solution	65.00
ET-ES	500ml Bottle; Electrode Storage Solution pH/ORP	16.00
ET-ECS	500ml Bottle; Electrode Cleaning Solution pH/ORP	16.00

Multiple Parameter

Presenting the U-50 Series Multi-Parameter Water Quality Meter

The Horiba U-50 Series replaces the long-standing U-10 series as a versatile multimeter capable of measuring 11 parameters, including turbidity.

- Easy to Read LCD Display
- All Parameters Listed on screen
- Text can be changed to larger Fonts
- Data Management Features
 - Direct download to PC
 - Diagnostic feature notifies user of errors
- Auto-Calibration features
- Cable can be disconnected

If you're wondering which meter is applicable to your project(s), review this chart.

■ U-5X series specification comparison list

	U-51	U-52	U-52G	U-53	U-53G
pH	●	●	●	●	●
ORP (Oxidation Reduction Potential)	●	●	●	●	●
Dissolved Oxygen	●	●	●	●	●
Conductivity	●	●	●	●	●
Salinity	●	●	●	●	●
TDS (Total Dissolved Solids)	●	●	●	●	●
Seawater Specific Gravity	●	●	●	●	●
Temperature	●	●	●	●	●
Turbidity (LED)	—	●	●	—	—
Turbidity (Tungsten lamp)	—	—	—	●	●
Water depth	—	—	●	●	●
GPS	—	—	●	—	●



The U-52 is the most popular meter for groundwater well monitoring projects.

RENTAL RATES
w/Controller
125/ 375/1125
DAY WEEK MONTH
Also a Certified Repair Facility



In addition to groundwater sampling application, the U-50 has multiple other field applications.



Measurement in Marshes

GPS Compatible
(U-52G/53G)



The system can be used in conjunction with the Global Positioning System (GPS) to record latitude, longitude, and other location data for individual measurements. This is particularly useful for environmental surveys.

Specifications

	U-51	U-52	U-52G	U-53	U-53G
pH • Two-point calibration • Automatic temperature	Measurement Principle: Glass electrode method Range: pH 0 to 14 Resolution: 0.01pH Repeatability: ±0.05pH Accuracy: ±0.1pH				
Oxidation Reduction Potential (ORP)	Measurement Principle: Platinum electrode method Range: -2000 mV to +2000 mV Resolution: 1 mV Repeatability: ±5 mV Accuracy: ±15 mV				
Dissolved Oxygen (DO) • Salinity conversion (0 to 70 PPT/automatic) • Automatic temperature compensation	Measurement Principle: Polarograph method Range: 0 to 50.0 mg/L Resolution: 0.01 mg/L Repeatability: ±0.1 mg/L Accuracy: 0 to 20 mg/L: ±0.2 mg/L, 20 to 50 mg/L: ±0.5 mg/L				
Conductivity (COND) • Auto range • Automatic temperature conversion (25°C)	Measurement Principle: 4 AC electrode method Range: 0 to 10 S/m (0 to 100 mS/cm) Resolution: 0.000 to 0.999 mS/cm; 0.001 1.00 to 9.99 mD/cm; 0.01 10.0 to 99.9 mS/cm; 0.1 0.0 to 99.9 mS/m; 0.1 0.100 to 0.999 S/m; 0.001 1.00 to 9.99 S/m; 0.01 ±0.05% F.S. Accuracy: (Median of two-point calibration)				
Salinity	Measurement Principle: Conductivity conversion Range: 0 to 70 PPT (permillage) Resolution: 0.1 PPT Repeatability: ±1 PPT Accuracy: ±3 PPT				
Total Dissolved Solid (TDS) • Conversion factor setting	Measurement Principle: Conductivity conversion Range: 0 to 100 g/L Resolution: 0.1% F.S. Repeatability: ±2 g/L Accuracy: ±5 g/L				
Seawater Specific Gravity • Display σ _t , σ _s , σ ₁₅	Measurement Principle: Conductivity conversion Range: 0 to 50 σ _t Resolution: 0.1 σ _t Repeatability: ±2 σ _t Accuracy: ±5 σ _t				
Temperature	Measurement Principle: Thermistor method Range: -5° to 55°C Resolution: 0.01°C Repeatability: ±0.10°C (at calibration point) Accuracy: JIS class B platinum thermometer sensor (±0.3 + 0.005)				
Turbidity (TURB)	Measurement Principle: LED light source and 30° scattering method Range: 0 to 800 NTU Resolution: 0.1 NTU Repeatability: ±5% (reading) or ±0.5 NTU whichever is greater Accuracy: ±5% (reading) or ±1 NTU U whichever is greater				
Water Depth	Measurement Principle: Pressure method Range: 0 to 30m Resolution: 0.5m Repeatability: ±1% F.S. Accuracy: ±0.3m				

Cat. No.	Cable Length	Model	Price
HOR-3200164509	U-51 2 m	U-51 (2 m)	\$3,345.00
HOR-3200164510	10 m	U-51 (10 m)	3,610.00
HOR-3200164501	2 m	U-52 (2 m)	3,750.00
HOR-3200164502	U-52 10 m	U-52 (10 m)	4,015.00
HOR-3200164503	30 m	U-52 (30 m)	4,548.00
HOR-3200156563	2 m	U-52G (2 m)	4,410.00
HOR-3200164499	U-52G 10 m	U-52G (10 m)	4,680.00
HOR-3200164500	30 m	U-52G (30 m)	5,210.00
HOR-3200164506	2 m	U-53 (2 m)	5,483.00
HOR-3200164507	U-53 10 m	U-53 (10 m)	5,750.00
HOR-3200164508	30 m	U-53 (30 m)	6,285.00
HOR-3200158178	2 m	U-53G (2 m)	6,150.00
HOR-3200164504	U-53G 10 m	U-53G (10 m)	6,415.00
HOR-3200164505	30 m	U-53G (30 m)	6,950.00

All units include sensors, calibration solutions, batteries, manual, and accessories.

Cat. No.	OPTIONAL EQUIPMENT Description	Pricing
HOR-5200524244	Hard Carry Case	\$400.00
HOR-3200156570	Flow Thru Cell	548.00
HOR-3200167002	Probe Guard	985.00
HOR-3200174823	Cable & Data Collection Software	125.00
HOR-362176	pH Sensor	75.00
HOR-300170923	TouPH pH Sensor	80.00
HOR-300170920	ORP Sensor	120.00
HOR-300170924	Dissolved Oxygen Sensor	340.00
HOR-362175	Reference Sensor	65.00
HOR-362173	Reference Sensor Cap	22.00
HOR-3200174430	4 liters pH4 solution (Auto-Cal)	79.00
HOR-3200156570	U-50 Flow Cell	525.00
HOR-3200156572	Calibration Beaker	40.00
HOR-3200174823	USB Cable and Software	125.00
HOR-3200170194	Replacement DO Membrane/Cap (3)	58.00
HOR-529244	Pelican Case w/ flow cell insert	325.00

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Solutions and Supplies

Cat. No.	Description	Price
BUFFERS		
ET-BP-	pH Buffer: 500ml Bottle; pH4, pH7 or pH10	\$18.00/ea
ET-BPK	pH Buffer Kit: 500ml Bottles; pH4, pH7 & pH10	50.00
ET-BP-PK	pH Buffer: 20ml Packets; pH4, pH7 or pH10	35.00/bx
ET-BP-GAL	pH Buffer: 1 Gallon Jug; pH4, pH7 or pH10	36.00
ET-CS-*	Conductivity (EC) Solution: 500ml Bottle *see values below	18.00/ea
ET-CS-PK	Conductivity Solution: 20ml Packets; 20/box *	35.00/bx
ET-CS-GAL	Conductivity Solution: 1 Gallon Jug *	42.00
AUTOCAL	Autocal Solution: 500ml Bottle; pH4, EC 4.49, Turb 0.0 all in one	25.00
AUTOCAL-GAL	Autocal Solution: 1 Gallon Jug; pH4, EC 4.49, Turb 0.0 all in one	45.00
ET-T-*	Turbidity Standard: 500ml Bottle; specify instrument & NTU/FTU: 0NTU, 10NTU, 100NTU OR 800NTU	45.00/ea
ET-ZO-PK	Zero Oxygen Solution: 20ml Packets; 20/box	35.00/box
ET-ES	Electrode Storage Solution: 500ml Bottle	22.00
ET-ORP	ORP Solution: 500ml Pouch; Select 100mv or 465mv	65.00/ea
CLEANING AGENTS		
ALC-PKT	Alconox, Box of 50 1/2 oz. packets	56.80
ALC-CTN	Alconox, 4-lbs carton	32.90
LIQ-QT	Liquinox, 1 Quart Bottle	23.50
LIQ-GL	Liquinox, 1 Gallon Bottle	63.30
TUBING – See Page 16		
GLOVES & SUITS		
MIC-S-*	Blue Nitrile Gloves; Any Size	14.00
GLND-PF-*	Blue Nitrile Gloves Powder-Free, Any Size	19.00
BAILER ACCESSORIES		
HBR-01	Portable Plastic Handireel, (see picture)	28.00
TSC-564	Teflon® Suspension Cord; 100-foot length	75.00
NCS-18	Nylon Suspension Cord; 1/8-inch, 1000 ft. roll	27.00
BCB-01	Bailer Cleaning Brush; 12-inches	18.00
BCB-02	Bailer Cleaning Brush; 40-inches	28.00
CON-BRH	Bailer Retriever Hook	42.00

* EC Solutions available in 1413µm, 1288µm, 477µm, 718µm, 4.49µm, 1000µm & 10,000µm



IMHOFF Sediment Cone

The traditional IMHOFF Cone Sedimentation method meets standard methods for the evaluation of water and wastewater, section 2540F, settleable solids. Made of polycarbonate with polypropylene screw closure, the cone is fully graduated from tip up: 0 to 1 ml in 0.1 ml divisions; 1 to 10 ml by 0.5 divisions; 10 to 40 ml in 1.0 ml divisions. Markings also appear at 100, 250, 500 and 1000 ml capacities. This method is useful in determining sediment stabilization when developing monitoring wells and during groundwater sampling events.



IMHOFF Cones, Rack, and Brush

Cat. No.	Description	Price
IMH-990750	1000 ml IMHOFF Cone	\$ 42.00/ea
IMH-990760	IMHOFF Steel Cone Rack	62.00
IMH-039610	Cone Brush	47.00

Instrument Carry Cases

The Pelican Protector Equipment Cases are water-tight and air-tight to 30 feet.



Cat. No.	Inside Dimensions	Price
PEL-1200	9 1/2" L x 7 1/2" W x 4 1/2" D	\$ 67.95
PEL-1400	12 1/4" L x 9 1/4" W x 5 1/4" D	124.95
PEL-1450	15" L x 10 1/2" W x 6" D	158.95
PEL-1500	17" L x 11 3/4" W x 6" D	184.95
PEL-1520	18" L x 12 7/8" W x 6 3/4" D	201.95
PEL-1550	19" L x 14" W x 7 3/4" D	228.95
PEL-1600	22" L x 17" W x 8" D	269.95
PEL-1650	28" L x 18" W x 10 1/2" D	395.95
PEL-1750	50 3/4" L x 13 1/2" W x 5" D	395.95

SOIL SAMPLING SECTION

For your Soil Sampling needs we represent



AMS, an industry leader in Soil Sampling Products since 1942.

Soil core sample collected into liner from a discrete depth using the environmental soil sampling kit.

Soil Sampling Field Kits

AMS soil sampling kits provide complete soil sampling systems that utilize our most popular augers and soil sampling equipment.

Most AMS soil sampling kits include soil augers, soil core samplers, extensions, cross handle, slide hammer, and either a lightweight or heavy-duty carrying case. The carrying cases allow your soil sampling kits to be very portable and easy to keep organized. You can also purchase the items from any AMS soil sampling kit individually to replace worn parts or to create your own custom soil sampling kits.

Many AMS auger and sampling kits are available for rent. Please contact Enviro-Tech for more information.

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Soil Sampling Kits



AMS-209.55

Environmental Soil Sampling Kits

All stainless steel for environmental sampling!

These environmental soil sampling kits are used in soils where there is a potential for contamination below the surface, so that samples can be collected, properly prepared, and submitted for appropriate laboratory analysis. They are available in two sizes, 2 1/4" and 3 1/4", both fitted with 5/8" threaded connections. Deluxe options are also available. The kit uses stainless steel components to allow for easy decontamination.

- Kits include: SST regular, SST sand, and SST mud augers (2 1/4" or 3 1/4"), 18" rubber-coated cross handle, split core sampler (1 3/8" x 6" or 2" x 6") with core tip, regular slide hammer, three 4' extensions, plastic liner, plastic end caps, wrenches, and cleaning brush in a rugged, foam padded, hard sided AMS deluxe carrying case with handles and wheels
- Deluxe options also include: 25 plastic liners, 50 plastic end caps, 50 fluoropolymer swatches for sample preparation, and a #2 AMS stainless steel scoop



This is the preferred kit of environmental consultants and soil scientists. It includes everything needed to collect samples to depths of 12 feet.

Cat. No.	Description	Weight	List Price
5/8" Threaded Environmental Soil Sampling Kits			
AMS-209.57	2 1/4" Environmental Kit	SST 58.0 lb	\$2,055.40
AMS-209.55	3 1/4" Environmental Kit	SST 62.0 lb	2,154.40
AMS-209.58	2 1/4" Deluxe Environmental Kit	SST 68.0 lb	2,308.30
AMS-209.56	3 1/4" Deluxe Environmental Kit	SST 72.0 lb	2,350.10
5/8" Threaded Environmental Soil Sampling Kits Replacement Parts and Accessories			
AMS-417.04	2 1/4" Regular Auger - 5/8" Thread	SST 1.7 lb	241.50
AMS-418.04	2 1/4" Mud Auger - 5/8" Thread	SST 1.7 lb	258.30
AMS-420.04	2 1/4" Sand Auger - 5/8" Thread	SST 1.8 lb	258.20
AMS-417.06	3 1/4" Regular Auger - 5/8" Thread	SST 2.6 lb	239.00
AMS-418.06	3 1/4" Mud Auger - 5/8" Thread	SST 2.3 lb	248.00
AMS-420.06	3 1/4" Sand Auger - 5/8" Thread	SST 2.6 lb	251.00
AMS-403.591	1 3/8" x 6" Split Core Sampler w/ Core Tip	SST 4.00 lb	573.00
AMS-403.40	2" x 6" Split Core Sampler w/ Core Tip	SST 6.00 lb	584.00
AMS-406.04	18" Rubber-Coated Cross Handle	1.3 lb	42.00
AMS-400.99	5/8" Threaded Reg. Slide Hammer	10.3 lb	180.00
AMS-409.09	4' Extension - 5/8" Thread	SST 2.2 lb	93.00
AMS-421.10	12" Crescent Wrench	1.7 lb	36.00
AMS-421.29	Universal Slip Wrench	1.3 lb	38.00
AMS-430.21	1 1/2" x 12" Brush	SST 0.2 lb	25.00
AMS-430.17	2" x 12" Brush	SST 0.2 lb	25.00
AMS-430.01	AMS Deluxe Carrying Case 1750	29.0 lb	278.00
Expendables			
AMS-406.56	1 3/8" x 6" Plastic Liner	.1 lb	\$ 2.60 ea.
AMS-404.21	2" x 6" Plastic Liner	.2 lb	2.70 ea.
AMS-418.11	1 3/8" Plastic End Cap	.1 lb	0.40 ea.
AMS-418.10	2" Plastic End Cap	.1 lb	0.40 ea.
Accessories			
AMS-406.80	18" Ratcheting Cross Handle - 5/8" Thread	2.1 lb	\$ 116.50

SST Expendables

Cat. No.	Description	Weight	List Price
AMS-403.87	1 3/8" x 6" SST Liner	0.3 lb	\$10.91 ea.
AMS-404.31	2" x 6" SST Liner	0.7 lb	12.09 ea.

*Plastic and stainless steel liners are available in various lengths, and brass and aluminum liners are also available.

Soil Sampling Kits

Basic Soil Core Sampling Kits

These basic sampling kits provide all of the items needed to auger to a target depth and obtain a relatively undisturbed soil core sample. The kit is available in two sizes, 2 1/4" or 3 1/4", and with either signature series or 5/8" threaded components.

They are used worldwide by soil scientists, agronomists and construction companies for site investigations. The kit comes with three different auger types (regular, mud, sand) and enough extensions to auger down to a depth of 12 feet. Other kit components include a core sampler with slide hammer attachment, 18" rubber-coated cross handle, cleaning brush, universal slip wrench, and two adjustable wrenches.

All of the components fit securely in a foam lined, poly-reinforced carrying case with handles and wheels for added portability.

- Kits include: Regular, sand and mud augers (2 1/4" or 3 1/4"), 18" rubber-coated cross handle, soil core sampler (1 1/2" x 6" or 2" x 6"), regular slide hammer, three 4' extensions, plastic liner, plastic end caps, wrenches and cleaning brushes in a rugged, foam padded, hard sided AMS deluxe carry case with handles and wheels



AMS-209.51

Cat. No.	Description	Weight	List Price
5/8" Threaded Basic Soil Sampling Kits			
AMS-209.53	2 1/4" Basic Soil Sampling Kit	56.0 lb	\$1,478.50
AMS-209.51	3 1/4" Basic Soil Sampling Kit	60.0 lb	1,435.70
5/8" Threaded Basic Soil Sampling Kits Replacement Parts and Accessories			
AMS-400.08	2 1/4" Regular Auger - 5/8" Thread	1.7 lb	167.40
AMS-400.20	2 1/4" Mud Auger - 5/8" Thread	2.3 lb	189.20
AMS-400.42	2 1/4" Sand Auger - 5/8" Thread	1.7 lb	183.00
AMS-400.06	3 1/4" Regular Auger - 5/8" Thread	2.6 lb	147.00
AMS-400.18	3 1/4" Mud Auger - 5/8" Thread	2.3 lb	177.20
AMS-400.40	3 1/4" Sand Auger - 5/8" Thread	2.6 lb	178.20
AMS-404.38	1 1/2" x 6" Soil Core Sampler Cup & Cap	2.9 lb	290.30
AMS-404.10	2" x 6" Soil Core Sampler Cup & Cap	2.9 lb	258.90
AMS-406.04	18" Rubber-Coated Cross Handle	1.3 lb	41.10
AMS-400.99	5/8" Threaded Reg. Slide Hammer	10.3 lb	179.10
AMS-408.03	4' Extension - 5/8" Thread	2.3 lb	63.50
AMS-421.10	12" Crescent Wrench	1.7 lb	35.10
AMS-421.29	Universal Slip Wrench	1.3 lb	38.10
AMS-430.11	1 1/2" x 12" Nylon Brush	0.2 lb	14.40
AMS-430.07	2" x 12" Nylon Brush	0.2 lb	14.40
AMS-430.01	AMS Deluxe Carrying Case 1750	29.0 lb	257.90
Expendables			
AMS-405.08	1 1/2" x 6" Plastic Liner	.1 lb	\$ 2.40 ea.
AMS-404.21	2" x 6" Plastic Liner	.2 lb	3.70 ea.
AMS-418.08	1 1/2" Plastic End Cap	.1 lb	0.20 ea.
AMS-418.10	2" Plastic End Cap	.1 lb	0.40 ea.
Accessories			
AMS-406.80	18" Ratcheting Cross Handle - 5/8" Thread	2.1 lb	\$ 128.60



Everything you need to collect core samples to depths of 12 feet using 5/8" threaded or signature series connection types.

Mini Soil Core Sampling Kits

Everything you need for collecting soil core samples to 12 feet!

Soil core sampling kits provide all the components needed to auger to 12 feet and collect a virtually undisturbed soil core sample in a liner. The kits utilize 5/8" threaded connections, and are available in either carbon steel or all stainless steel. The carbon steel option uses carbon steel components and includes a 2" x 6" soil core sampler, while the stainless steel option uses all stainless steel components and includes a 2" x 6" split soil core sampler.

- Carbon steel kit includes: 3 1/4" regular auger, four 3' extensions, 18" rubber-coated cross handle, 2" x 6" soil core sampler, slide hammer, two plastic end caps, 2" x 6" plastic liner, two wrenches, universal slip wrench and poly-canvas carrying case
- Stainless steel kit includes: 3 1/4" SST regular auger, four 3' SST extensions, 18" rubber-coated cross handle, 2" x 6" split soil core sampler, slide hammer, two plastic end caps, 2" x 6" plastic liner, two wrenches, universal slip wrench and poly-canvas carrying case



AMS-209.07

Cat. No.	Description	Weight	List Price
5/8" Threaded Mini Soil Core Sampling Kits			
AMS-209.07	3 1/4" Mini Soil Care Sampling Kit	32.5 lb	\$1,007.70
AMS-209.05	3 1/4" Mini Soil Care Sampling Kit SST	32.5 lb	1,513.73

*Prices subject to change without notice

Soil Augers



AMS-400.06
Augers create a borehole wider than the cylinder for easy removal.



Regular Auger

The regular auger is used for obtaining disturbed soil samples of most soil types at or near the surface, and for gaining access to sampling points where soil samples may be obtained with a separate soil sampler or soil core sampler. The bits of the regular soil auger are open to allow entry of small soil clumps and relatively small rocks and particles.



Mud Auger

Mud augers utilize a laser-cut, open cylinder design for easy removal of heavy, wet, or clay soils. The mud auger features two openings in the cylinder wall to facilitate emptying, as well as widely-spaced bits to ease entry of sticky soils.



Sand Auger

The sand auger uses a closed bit design, with a restricted opening, to prevent the loss of sampled material during retrieval. The inner edges of the sand auger bits touch at their mid point to make the sand auger more reliable in loose, unconsolidated soil conditions.

5" diameter regular soil and mud augers utilize three cutting teeth rather than two.



Cat. No.	Description	Weight	Price
5/8" Threaded Regular Auger			
AMS-400.04	5"	4.3 lb	\$202.20
AMS-400.05	4"	3.5 lb	162.60
AMS-400.06	3 1/4"	2.6 lb	147.00
AMS-400.07	2 3/4"	2.1 lb	162.60
AMS-400.08	2 1/4"	1.7 lb	167.40
AMS-400.09	2"	1.4 lb	172.40
AMS-400.10	1 3/4"	1.2 lb	177.40
AMS-400.11	1 1/2"	0.9 lb	177.40
AMS-417.08	5" SST	4.0 lb	281.10
AMS-417.07	4" SST	3.5 lb	259.40
AMS-417.06	3 1/4" SST	2.6 lb	239.00
AMS-417.05	2 3/4" SST	2.1 lb	240.20
AMS-417.04	2 1/4" SST	1.7 lb	241.50
AMS-417.03	2" SST	1.5 lb	245.10
AMS-417.02	1 3/4" SST	1.2 lb	252.30
AMS-417.01	1 1/2" SST	0.9 lb	251.10

Cat. No.	Description	Weight	Price
5/8" Threaded Mud Auger			
AMS-400.16	5"	4.3 lb	\$228.80
AMS-400.17	4"	3.3 lb	211.60
AMS-400.18	3 1/4"	2.3 lb	177.20
AMS-400.19	2 3/4"	1.9 lb	185.70
AMS-400.20	2 1/4"	2.3 lb	189.20
AMS-400.21	2"	1.5 lb	193.70
AMS-400.22	1 3/4"	1.2 lb	195.20
AMS-400.23	1 1/2"	1.0 lb	195.20
AMS-418.00	5" SST	3.8 lb	291.00
AMS-418.07	4" SST	3.4 lb	272.60
AMS-418.06	3 1/4" SST	2.3 lb	248.60
AMS-418.05	2 3/4" SST	2.0 lb	252.80
AMS-418.04	2 1/4" SST	1.7 lb	258.30
AMS-418.03	2" SST	1.5 lb	265.50
AMS-418.02	1 3/4" SST	1.2 lb	264.00
AMS-418.01	1 1/2" SST	1.0 lb	265.50

Cat. No.	Description	Weight	Price
5/8" Threaded Sand Auger			
AMS-400.38	5"	4.3 lb	\$210.80
AMS-400.39	4"	3.5 lb	184.20
AMS-400.40	3 1/4"	2.6 lb	178.20
AMS-400.41	2 3/4"	2.1 lb	181.80
AMS-400.42	2 1/4"	1.7 lb	183.00
AMS-400.43	2"	1.5 lb	185.30
AMS-400.44	1 3/4"	1.2 lb	193.70
AMS-400.45	1 1/2"	1.0 lb	193.70
AMS-419.08	5" SST	4.0 lb	295.60
AMS-420.07	4" SST	3.6 lb	270.10
AMS-420.06	3 1/4" SST	2.6 lb	255.90
AMS-420.05	2 3/4" SST	2.2 lb	259.40
AMS-420.04	2 1/4" SST	1.8 lb	258.20
AMS-420.03	2" SST	1.5 lb	259.40
AMS-420.02	1 3/4" SST	2.3 lb	273.70
AMS-420.01	1 1/2" SST	0.9 lb	268.90

Soil Core Samplers

Regular Soil Core Sampler Cup & Cap

Soil core samplers allow the user to collect relatively undisturbed soil core samples from the subsurface or pre-augered boreholes. Samples are collected into liners that may be properly prepared and transferred to a lab for soil profiling or chemical analysis. The liner may also be extruded in the field for immediate examination of the core sample. They are sized by the OD of the liner.

- Includes: Soil core sampler body and soil core sampler cap
- Material: Carbon steel cap and cup, or stainless steel cap and cup
- *Note: 3/4" threaded soil core samplers are available.
- *Call for special lengths and thread sizes.



Cat. No.	Description	Weight	List Price
Signature Series Soil Core Sampler Cup & Caps			
AMS-354.16	2" x 6"	2.9 lb	\$263.60
AMS-354.15	1 1/2" x 6"	2.1 lb	296.70
5/8" Threaded Soil Core Sampler Cup & Caps			
AMS-404.38	1 1/2" x 6"	2.1 lb	\$290.30
AMS-403.96	1 1/2" x 12"	3.3 lb	348.50
AMS-404.07	2" x 2"	2.0 lb	220.40
AMS-404.08	2" x 3"	2.2 lb	222.10
AMS-404.09	2" x 4"	2.4 lb	240.20
AMS-404.10	2" x 6"	2.9 lb	258.90
AMS-404.49	2" x 12"	4.2 lb	339.50
AMS-404.51	2 1/2" x 6"	3.9 lb	334.50
AMS-404.48	3" x 6"	4.9 lb	404.00
AMS-404.72	1 1/2" x 6" SST	2.5 lb	349.70
AMS-404.88	1 1/2" x 12" SST	3.5 lb	373.60
AMS-404.68	2" x 2" SST	2.2 lb	289.10
AMS-404.69	2" x 3" SST	2.5 lb	296.20
AMS-404.70	2" x 4" SST	2.8 lb	304.50
AMS-404.71	2" x 6" SST	3.5 lb	320.60
AMS-404.75	2" x 12" SST	5.3 lb	399.50
AMS-404.73	2 1/2" x 6" SST	4.5 lb	399.50
AMS-404.74	3" x 6" SST	5.8 lb	463.60

Regular Soil Core Samplers Complete

Save up to 7% by ordering a complete set-up.

Complete soil core samplers include the regular soil core sampler cup and cap, a regular slide hammer, plastic liner, and two plastic end caps.

- Includes: Slide hammer, core cup and cap, two plastic end caps, and plastic liner
- *Note: Order extensions separately



AMS-404.45

Cat. No.	Description	Weight	List Price
Signature Series Soil Core Sampler Completes			
AMS-354.26	2" x 6"	13.1 lb	\$393.40
AMS-354.25	1 1/2" x 6"	12.3 lb	420.20
5/8" Threaded Soil Core Sampler Completes			
AMS-404.39	1 1/2" x 6"	12.3 lb	\$396.40
AMS-403.97	1 1/2" x 12"	13.5 lb	395.20
AMS-404.02	2" x 2"	12.2 lb	333.50
AMS-404.03	2" x 3"	12.5 lb	350.50
AMS-404.04	2" x 4"	12.6 lb	363.00
AMS-404.05	2" x 6"	13.1 lb	378.30
AMS-404.50	2" x 12"	14.4 lb	452.60
AMS-404.44	2 1/2" x 6"	14.1 lb	449.70
AMS-404.45	3" x 6"	15.1 lb	510.20
AMS-404.64	1 1/2" x 6" SST	12.7 lb	455.70
AMS-404.87	1 1/2" x 12" SST	13.6 lb	475.00
AMS-404.60	2" x 2" SST	12.4 lb	402.10
AMS-404.61	2" x 3" SST	12.7 lb	421.90
AMS-404.62	2" x 4" SST	13.0 lb	432.50
AMS-404.63	2" x 6" SST	13.7 lb	448.50
AMS-404.67	2" x 12" SST	15.5 lb	513.90
AMS-404.65	2 1/2" x 6" SST	14.7 lb	469.00
AMS-404.66	3" x 6" SST	16.0 lb	517.33



Collect a soil core sample from the surface or a pre-augered borehole. Core samples are collected into liners.

Slide Hammers

Use slide hammers to pound soil probes, soil core samplers, and sludge & sediment samplers into the ground.

Cat. No.	Description	Weight	List Price
5/8" Threaded Slide Hammers			
AMS-400.96	Compact Slide Hammer	7.7 lb	\$174.60
AMS-400.99	Regular Slide Hammer	10.3 lb	179.10



AMS-400.96

AMS-400.99

*Prices subject to change without notice

Auger Cross Handles

Comfortable 18" and 22" Rubber-Coated Cross Handles, and Highly Durable 18" Ratcheting Cross Handles

Rubber-coated cross handles are made of chromoly and coated with textured rubber. Eighteen inch models are available with Signature Series, 5/8" threaded, and Quick Connect connection types. Twenty-two inch models are only available with 3/4" Threaded Connections.

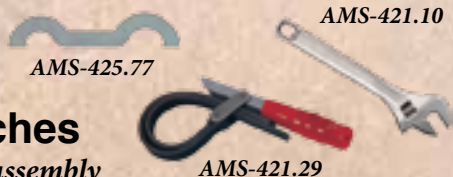
Ratcheting cross handles are available with fittings for Signature Series, 5/8" threaded, and Quick Connect connection types. They are made of highly durable carbon steel, and have an inproved open mechanism that allows for easy cleaning of the gear and cog. Quick Connect ratcheting cross handles allow for reverse ratcheting action, and left handed models are available.



Cat. No.	Description	Weight	List Price
Signature Series Cross Handles			
AMS-351.54	18" Rubber-Coated Cross Handle	1.1 lb	\$ 45.50
AMS-351.56	18" Ratcheting Cross Handle	2.4 lb	134.90
5/8" Threaded Cross Handles			
AMS-406.04	18" Rubber-Coated Cross Handle	1.1 lb	\$ 41.10
AMS-406.80	18" Ratcheting Cross Handle	2.1 lb	116.60
3/4" Threaded Cross Handles			
AMS-406.05	22" Rubber-Coated Cross Handle	1.6 lb	\$ 49.30
Quick Connect Cross Handles			
AMS-306.06	18" Rubber-Coated Cross Handle	1.3 lb	\$ 67.30
AMS-306.07	18" Ratcheting Cross Handle	2.4 lb	150.00



Use the rock breaker with a slide hammer to break rocks and other obstructions inside the borehole.



Wrenches

For easy assembly and disassembly.

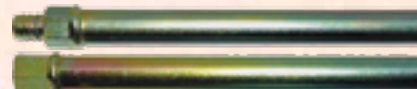
Extremely handy tools for the job site.

Cat. No.	Description	Weight	List Price
AMS-421.10	12" Crescent Wrench	1.7 lb	\$37.45
AMS-421.29	Universal Slip Wrench	1.3 lb	39.48
AMS-425.77	Spanner Wrench	0.2 lb	11.88
AMS-208.63	Spanner Screwdriver	0.2 lb	15.10

Extensions

AMS signature series extensions are yellow zinc-coated chromoly for added rust resistance. 5/8" and 3/4" threaded, and Quick Connect extensions are available in chromoly or stainless steel.

Cat. No.	Description	Weight	Price
Signature Series Extensions			
AMS-351.00	1'	0.8 lb	\$72.00
AMS-351.01	2'	1.2 lb	75.00
AMS-351.02	3'	1.7 lb	77.00
AMS-351.03	4'	1.7 lb	81.00
AMS-351.04	5'	2.4 lb	84.00



Cat. No.	Description	Weight	Price
5/8" Threaded Extensions			
AMS-408.00	1'	0.8 lb	\$56.00
AMS-408.01	2'	1.2 lb	59.00
AMS-408.02	3'	1.7 lb	61.00
AMS-408.03	4'	2.3 lb	64.00
AMS-408.04	5'	2.4 lb	67.00
AMS-409.06	1' SST	0.8 lb	83.00
AMS-409.07	2' SST	1.3 lb	87.00
AMS-409.08	3' SST	1.7 lb	92.00
AMS-409.09	4' SST	2.2 lb	95.00
AMS-409.10	5' SST	2.6 lb	98.00
3/4" Threaded Extensions			
AMS-407.01	1'	1.0 lb	\$69.00
AMS-407.02	2'	1.5 lb	72.00
AMS-407.03	3'	2.0 lb	76.00
AMS-407.04	4'	2.5 lb	77.00
AMS-407.05	5'	3.0 lb	81.00



Cat. No.	Description	Weight	Price
Quick Connect Extensions			
AMS-309.00	1'	0.8 lb	\$98.09
AMS-309.01	2'	1.2 lb	95.44
AMS-309.02	3'	1.7 lb	98.01
AMS-309.03	4'	2.3 lb	101.86
AMS-309.04	5'	2.4 lb	105.72
AMS-309.06	1' SST	0.8 lb	109.67
AMS-309.07	2' SST	1.3 lb	113.31
AMS-309.08	3' SST	1.7 lb	117.59
AMS-309.09	4' SST	2.2 lb	120.91
AMS-309.10	5' SST	2.6 lb	124.12



Connection Types

Connection Types

There are three main connection types to choose from: Signature Series, Threaded, and Quick Connect.

These connections are used to connect cross handles or slide hammers to extensions, auger heads, and samplers. Each connection type has advantages that make them more appropriate for particular uses or users. For example, the 5/8" and 3/4" threaded connections are the least expensive. Signature Series components are generally more robust and last longer under heavy use. The Quick Connect connection system allows components to be put together and taken apart quickly, and are capable of reverse augering. More information on each connection type and adapters can be found below. Please make sure to choose the connection type that best suits your specific application. Contact Enviro-Tech if you are unsure which connection type to use.

Signature Series

Featuring a heavier thread design, this connection simply enhanced the already trusted threaded connection. Signature series components can be connected and disconnected with only 2 1/2 turns, and have less risk of galling.



Threaded Connection

5/8" and 3/4" threaded connection systems use standard, national course, threaded joints to form solid connections. Items with threaded connections are generally the least expensive, and are compatible with the hammer-head cross handle and slide hammers.



Quick Connect Connection

The quick connect button and hex coupling system allows quick connect components to connect and disconnect faster than threaded or signature series systems. Quick Connect pieces also allow for reverse augering, but are not compatible with hammer attachments.



Adapters

Adapters allow conversion among AMS signature series, 5/8" threaded, or quick connect connections.

Cat. No.	Description	Weight	List Price
AMS-351.90	5/8" Threaded Male to Signature Series Female Adapter	0.8 lb	\$ 54.96
AMS-413.02	5/8" Threaded Male to Quick Connect Female Adapter	1.0 lb	55.10
AMS-351.91	Signature Series Male to 5/8" Threaded Female Adapter	0.8 lb	54.89
AMS-351.95	Signature Series Male to Quick Connect Female Adapter	0.8 lb	55.43
AMS-413.01	Quick Connect Male to 5/8" Threaded Female Adapter	1.0 lb	55.64
AMS-351.94	Quick Connect Male to Signature Series Female Adapter	0.8 lb	57.03



Quick Connect Accessories



Cat. No.	Description	Weight	Price
AMS-309.12	Finger Ring	1.0 lb	\$ 5.24
AMS-300.90	Repair Kit	1.0 lb	18.72



Tips on Using Signature Series and Threaded Connections

When using threaded and signature series connections, AMS recommends using non-adhesive fluoropolymer tape and wrench-tightening the connections to help prevent the components from being damaged during heavy use, and to minimize wear and tear over time. This also helps to prevent your threaded components from being difficult to disconnect from one another after use with a slide hammer, hammer-head cross handle, or after hard twisting with a standard cross handle.



*Prices subject to change without notice

Flighted Auger Kit

Quick Connect Flighted Auger Kit

Even easier with reverse augering capabilities and quicker connection.

The Quick Connect flighted sections can be connected and disconnected with ease – unlike threaded connections that can bind or lock up after augering. The lead auger tip has replaceable carbide inserts that can be replaced once they become worn.

- Kit Includes: 2" x 36" Quick Connect auger, 2 1/2" lead bit, 5/8" threaded female to Quick Connect female adapter, 5/8" threaded male to SDS-Max drill adapter, three 5/8" x 4' extensions, 1 1/2" x 12" nylon brush, 1 1/2" x 6" soil core sampler, 5/8" regular slide hammer, quick connect rubber-coated cross handle, universal slip wrench, AMS deluxe carrying case



AMS-209.11

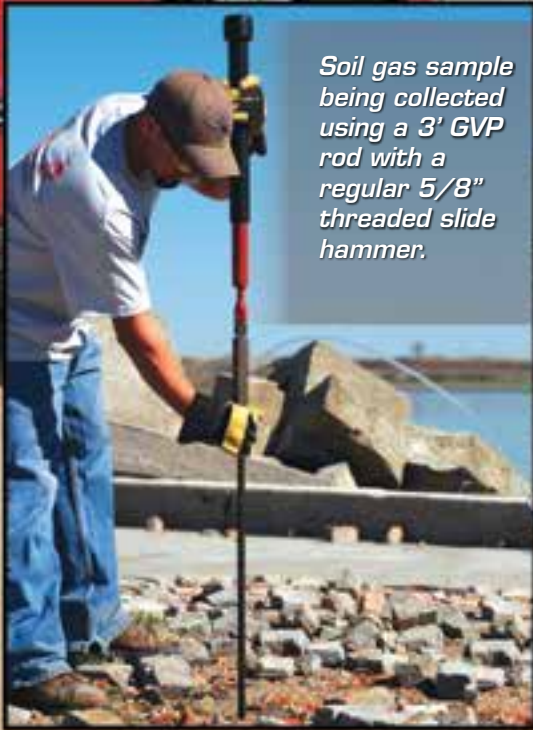
Cat. No.	Description	Weight	List Price
Quick Connect Flighted Auger Kit			
AMS-209.11	2" x 36" QC Flighted Auger Kit	72.0 lb	\$1,729.76



AMS-209.11
Quickly achieve depths of 9 feet with this kit using the recommended rotary hammer drill. Adding and disconnecting flighted extensions has never been easier. The male/female hex fittings connect with a spring loaded button. After boring your hole with the flighted augers, you can collect a 1 1/2" x 6" core sample using the provided core sampler extensions and slide hammer. Customers have had success reaching depths over 16 feet in the right soil conditions. Just add extra flighted extensions to your order.

Cat. No.	Description	Weight	List Price
QC Flighted Auger Kit Replacement Parts and Accessories			
AMS-20045	2" x 36" QC Flighted Auger	9.5 lb	\$185.45
AMS-306.06	18" QC Rubber-Coated Cross Handle	1.1 lb	67.30
AMS-408.03	5/8" Thread Extension	2.3 lb	63.50
AMS-404.38	5/8" Soil Core Sampler Cup & Cap	2.1 lb	290.30
AMS-400.99	5/8" Thread Regular Slide Hammer	8.0 lb	179.10
Miscellaneous			
AMS-53265	5/8" Thread Female to QC Female Adapter	0.7 lb	\$ 54.20
AMS-214.20	5/8" Thread Male to SDS-Max Drill Adapter	0.8 lb	95.10
AMS-430.11	1 1/2" x 12" Nylon Brush	0.2 lb	14.40
AMS-20046	2 1/2" Flighted Auger Tip w/ Replaceable Carbide Bits and Hex Connection	2.0 lb	102.20
AMS-430.01	AMS Deluxe Carrying Case	28.0 lb	257.90
AMS-421.29	Universal Slip Wrench	1.3 lb	38.10
Expendables			
AMS-405.08	1 1/2" x 6" Plastic Liners	0.1 lb	\$ 2.70
AMS-418.08	1 1/2" Plastic End Caps	0.1 lb	0.30

Soil Gas Sampling Kits



Soil gas sample being collected using a 3' GVP rod with a regular 5/8" threaded slide hammer.



Collecting a soil gas sample using a GVP kit.

Soil Gas Sampling

AMS has been a leader in soil gas sampling technologies since the development of the "original" AMS gas vapor probe.

Applications:

The fluoropolymer tubing may be used to transfer the soil gas sample from the sampling point to the surface. Cut a length to allow for the maximum sampling depth plus 2' to 3'. Attach one end to the sampling tip and pass the other end through the first set of drive components. When each GVP extension is driven to just above the ground surface, the drive head adapter is removed, another GVP extension added, and the drive head adapter is replaced before driving again. To open either of the tips, pull back the GVP extension to expose the tip extraction ports.

A hand vacuum pump, electric vacuum pump, or electric vacuum station, may be attached to the upper end of the fluoropolymer tube to extract samples of soil gas and allow them to be collected in a variety of specific procedures. Alternatively, most PID and FID hydrocarbon detection instruments are provided with a positive displacement pump that may be directly connected to the fluoropolymer tube to obtain a direct reading of hydrocarbon concentration.

The extendable tile probe may be used to check for underground obstructions. It may also be useful as a pre-probing tool in non-caving soils, before installing the probes.

AMS GVP kits may also be used to provide a conduit for extracting groundwater samples.



Removing gas vapor probe rod using master jack.

Soil Gas Sampling

Soil Sampling Equipment

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AMS-209.84

Gas Vapor Probe Kits

Excellent for monitoring and sampling hydrocarbon spill sites, underground storage tanks and pipelines!

GVP kits use a slide hammer, or an electric rotary drive hammer, and GVP drive extensions to insert a stainless steel GVP tip to the desired sampling depth. Fluoropolymer tubing is attached to a barb fitting on the GVP tip for remote sampling from the surface. Two GVP tips are available for use with GVP kits – dedicated gas vapor tips, and the Retract-A-Tip.

RENTAL RATES
250/750/1800
DAY WEEK MONTH
Also a Certified Repair Facility

- Kits Include: Ten GVP dedicated tips with umbrella, Retract-A-Tip (included with Retract-A-Tip kit options only) 1 1/2" wild bore bit, 5/8" tip drive end, four 3' GVP 5/8" extensions, 5/8" x 3' heavy-duty extendable tile probe base, three 5/8" x 3' heavy-duty tile probe extension, external drive adapter 3/4" ID, SDS-Max drill adapter, SDS-Max 1 1/2" carbide bit, slide hammer, slide hammer adapter 3/4" OD, hand pump, 3/16" ID x 1/4" OD x 250' fluoropolymer tubing, removal jack, AMS deluxe carrying case, AMS GVP manual, GVP instruction DVD video

Cat. No.	Description	Weight	List Price
Gas Vapor Probe Kits with Dedicated Tips			
AMS-209.19	GVP Kit without drill	115.0 lb.	\$ 2,575.40
AMS-210.00	GVP Kit with DeWalt D25600K Hammer Drill	150.0 lb.	3,426.90
AMS-209.84	GVP Kit with Bosch 11245EVS Hammer Drill	152.0 lb.	3,798.40
Gas Vapor Probe Kits with Dedicated and Retract-A-Tip			
AMS-209.16	GVP Kit without drill	116.0 lb.	\$ 2,639.20
AMS-210.02	GVP Kit with DeWalt D25600K Hammer Drill	151.0 lb.	3,556.10
AMS-209.86	GVP Kit with Bosch 11245EVS Hammer Drill	153.0 lb.	3,867.90
GVP Kit Replacement Parts			
AMS-209.00	Gas Vapor Probe Instruction DVD Video	1.0 lb.	\$ 20.20
AMS-209.01	AMS Gas Vapor Probe Manual	0.3 lb.	9.20
AMS-211.00	Gas Vapor Tip & Umbrella	0.1 lb.	18.80
AMS-211.05	Removal Jack	30.0 lb.	192.40
AMS-214.045	Extension Drive Adapter to 3/4" ID	2.0 lb.	75.00
AMS-214.05	5/8" x 4', 5/8" NF Gas Vapor Probe Extension	2.4 lb.	155.10
AMS-214.06	5/8" x 3', 5/8" NF Gas Vapor Probe Extension	2.6 lb.	125.10
AMS-214.09	5/8" NF Gas Vapor Probe Tip Drive End	0.2 lb.	35.10
AMS-214.105	Slide Hammer Adapter to 3/4" OD	0.7 lb.	50.60
AMS-214.18	SDS-Max Drill Adapter to 3/4" OD	0.8 lb.	60.30
AMS-214.22	1 1/2" Concrete Bit SDS-Max	4.2 lb.	243.70
AMS-215.00	3/16" ID, 1/4" OD, 250' Fluoropolymer Tubing	5.1 lb.	401.60
AMS-215.06	Hand Pump	1.6 lb.	115.00
AMS-401.26	10" Soil Probe Cross Handle	0.9 lb.	24.18
AMS-400.99	5/8" NC Regular Slide Hammer	10.3 lb.	179.10
AMS-403.08	5/8" x 4' NF Tile Probe Extension	4.2 lb.	102.40
AMS-403.10	5/8" x 3', 5/8" NF Extendable Tile Probe Complete w/ tip, 5/8" NC to 5/8" NF hammer/handle adapter, and 10" handle	3.3 lb.	102.90
AMS-403.11	5/8" 3' 5/8" NF Tile Probe Extension	3.2 lb.	95.30
AMS-403.13	5/8" 5/8" NF Extendable Tile Probe Tip	0.2 lb.	15.30
AMS-405.27	5/8" NC Male to Splined Drill Adapter	0.6 lb.	95.50
AMS-427.20	5/8" NF Extendable Tile Probe Coupling	0.1 lb.	9.30
AMS-430.01	AMS Deluxe Carrying Case 1750	29.0 lb.	257.90
AMS-5052.40	12 Volt Vacuum Pump	1.7 lb.	530.00

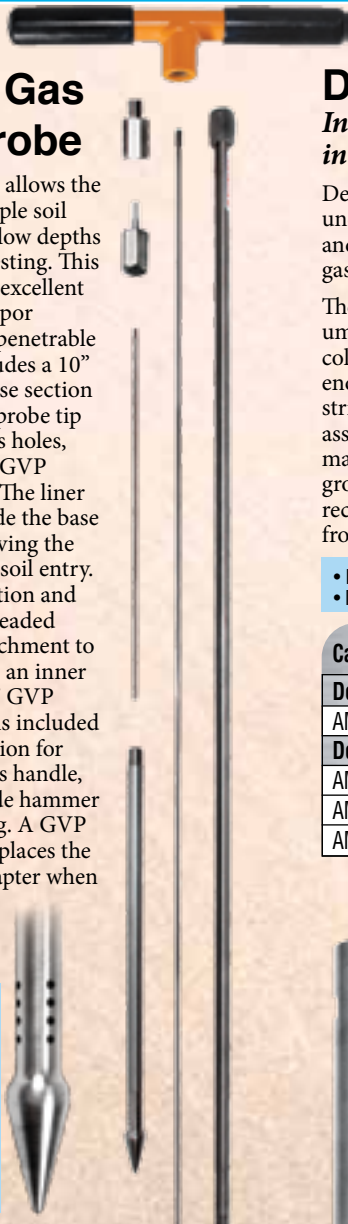


Soil Gas Sampling

Original Gas Vapor Probe

The original GVP allows the user to easily sample soil gas vapors at shallow depths for preliminary testing. This manual system is excellent for shallow gas vapor sampling in soft, penetrable soils. The kit includes a 10" cross handle, a base section with an attached probe tip and soil gas access holes, a liner rod, and a GVP hammer adapter. The liner rod is placed inside the base section, when driving the probe, to prevent soil entry. Both the base section and liner rod offer threaded couplings for attachment to an extension with an inner rod. A 1/2" x 5/8" GVP hammer adapter is included with the base section for attaching the cross handle, or an optional slide hammer to the probe string. A GVP barbed adapter replaces the GVP hammer adapter when collecting a soil gas sample.

- Includes: GVP base section, liner rod, GVP hammer adapter, 3' GVP extension with liner rod, 10" cross handle, GVP barbed adapter
- Material: stainless steel



Cat. No.	Description	Weight	Price
Original Gas Vapor Probe Kit			
AMS-427.04	Original GVP Kit SST	3.8 lb	\$377.07
Original GVP Kit Replacement Parts			
AMS-401.26	10" 5/8" Cross Handle	0.9 lb	\$ 25.68
AMS-427.04	Original GVP Base Adapter SST	0.3 lb	35.42
AMS-427.06	GVP Base Section w/ Liner Rod, Couplings & GVP Hammer Adapter	3.4 lb	198.16
AMS-427.02	3' GVP Extension w/ Liner Rod, Coupling	3.0 lb	124.30
AMS-427.05	4' GVP Extension w/ Liner Rod, Coupling	2.1 lb	157.82
AMS-427.09	1/2" Coupling SST	0.1 lb	15.94
AMS-427.11	GVP Barbed Adapter for 3/16" ID tubing	0.2 lb	29.21
Accessories			
AMS-400.99	5/8" Reg. Slide Hammer	10.8 lb	\$185.97
AMS-215.06	Hand Pump	1.6 lb	119.41
Expendables			
AMS-214.98	3/16" ID x 1/4" x 50' Fluoropolymer Tubing	1.1 lb	\$ 96.08

*Prices subject to change without notice

Dedicated Gas Vapor Tip

Install as permanent sample point or leave in ground as a disposable point.

Dedicated gas vapor tips are used for detecting hydrocarbon spills, underground storage tank and pipe leakage, landfill contamination, and hazardous waste sites. Soil gas monitoring with the dedicated gas vapor tip is easily accomplished using a GVP kit.

The unique design of the tip and accompanying fluoropolymer umbrella, ensures an easy passage for the soil gas to enter the collection system. The umbrella is folded before inserting it into the end of the tip. After being driven to the sampling point, the drive string is retracted – allowing the umbrella to unfold. The umbrella assists in keeping the tip vapor inlets free of soil. The optional screen may also be used, particularly in fine grained soils or when sampling groundwater. The vapor inlet holes of the dedicated tips are slightly recessed, and are protected by the GVP drive end to prevent them from becoming clogged during installation.

- Includes: Dedicated GVP tip & fluoropolymer umbrella
- Material: 300 series stainless steel

Cat. No.	Description	Weight	List Price
Dedicated Gas Vapor Tips			
AMS-211.00	Dedicated Gas Vapor Tip & Fluoropolymer Umbrella	0.1 lb.	\$19.47
Dedicated Gas Vapor Tip Replacement Parts & Accessories			
AMS-212.00	Fluoropolymer Umbrella	0.1 lb.	\$ 2.57
AMS-212.05	GVP Screens	0.1 lb.	3.74
AMS-214.09	5/8" NF Gas Vapor Probe Tip Drive End	0.2 lb.	36.38



Retract-A-Tip

Designed to be driven into the soil, opened for sample extraction.

This tip is used to collect soil vapor samples below the ground surface, usually at discrete depths. It may be driven to the sampling point using a slide hammer, or electric rotary hammer, and GVP extensions with an extension drive adapter. It is connected to the surface with fluoropolymer tubing. The sampler is opened by retracting the GVP extension string. When open, the sampling ports – protected by a mesh screen – are exposed. A vacuum applied to the fluoropolymer tube will allow recovery of soil gas or groundwater samples.

- Includes: Barbed insert, outer sleeve, inner nut, bottom nut, vapor inlet shaft, and screen
- Material: 300 series stainless sampler; 400 stainless steel tip

Cat. No.	Description	Weight	Price
Retract-A-Tip			
AMS-210.01	GVP Retract-A-Tip	0.6 lb	\$249.52
Retract-A-Tip Replacement Parts			
AMS-210.05	Barbed Insert	0.1 lb	\$ 22.04
AMS-210.06	Outer Sleeve	0.3 lb	147.66
AMS-210.07	Inner Nut	0.1 lb	11.98
AMS-210.08	Bottom Nut	0.1 lb	17.76
AMS-210.09	Vapor Inlet Shaft	0.3 lb	184.57
AMS-210.03	Retract-A-Tip Screen	0.1 lb	4.28



AMS-214.09



Tip with optional screen.

AMS-214.09



AMS-211.00

Gas Vapor 6" Implant Drive Kit

The 6" gas vapor implant drive kit is used for long-term soil gas monitoring, groundwater sampling, vapor extraction monitoring, and as a pressure measurement point in vacuum testing. This kit allows the user to obtain or collect a soil gas sample by positioning or placing a 6" implant in the subsurface, and subsequently withdraw a sample of soil atmosphere through the implant from the target sampling horizon.

- Includes: 6" gas vapor implant, 6" GVP implant drive end, and dedicated dummy tip
- Material: Steel implant drive end, SST gas vapor implant, SST dummy tip



AMS-55467

Cat. No.	Description	Weight	Price
Gas Vapor Implant Drive Kit			
AMS-55467	6" Implant Drive Kit	1.0 lb	\$144.45
Gas Vapor Implant Drive Kit Replacement Parts			
AMS-21010	6" Gas Vapor Implant	0.2 lb	\$ 32.63
AMS-55463	GVP 6" Drive End	0.8 lb	110.10
AMS-55466	Dedicated Dummy Tip	0.1 lb	8.99

Call Toll Free 1.800.468.8921



GVP Assembly & Installation Options

The GVP Systems are equipped with two different styles of 5/8" OD extensions: solid tile probe extensions, and hollow GVP rods.

The extendable tile probe extensions are solid extensions which are designed to locate underground obstructions as well as pre-punch pilot holes.

The GVP extensions are hollow and allow for 1/4" OD tubing to be run through the center of the rod. For this reason, the stainless steel GVP sampling points are to be used with the GVP extensions only.

It is recommended that you pre-punch your hole to your target depth with the solid extendable tile probe extensions and tip. Then you can re-enter the same borehole with your hollow GVP extensions and your GVP sampling point. By doing this, you will substantially increase the life span of your equipment.

The flighted auger and hard surfaced tip can be used to pre-drill boreholes in rocky or hard soils prior to the insertion of GVP tips. Concrete bits are ideal for boring access holes through concrete and asphalt.

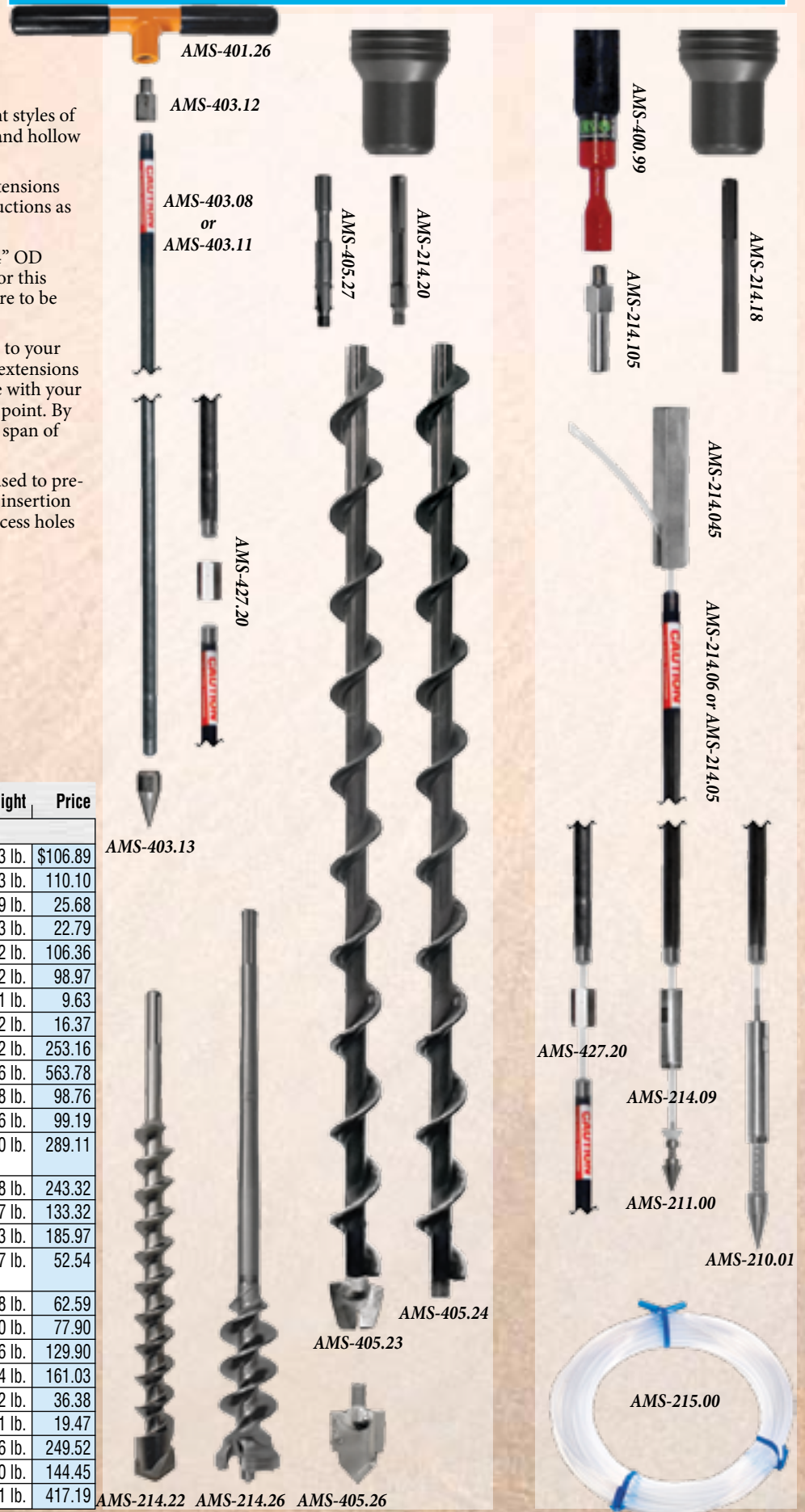
Use solid tile probe extensions to reach the desired depth, and use the hollow GVP rods when sampling.

Soil Sampling Equipment

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Cat. No.	Description	Weight	Price
GVP Assembly & Installation Parts			
AMS-403.10	5/8" x 3' Extendable Tile Probe Complete	3.3 lb.	\$106.89
AMS-403.09	5/8" x 3' Extendable Tile Probe Complete	4.3 lb.	110.10
AMS-401.26	10" Soil Probe Cross Handle	0.9 lb.	25.68
AMS-403.12	5/8" NC Male to 5/8" NF Adapter	0.3 lb.	22.79
AMS-403.08	5/8" NF 4' Tile Probe Extension	4.2 lb.	106.36
AMS-403.11	5/8" NF 3' Tile Probe Extension	3.2 lb.	98.97
AMS-427.20	5/8" NF Extendable Tile Probe Coupling	0.1 lb.	9.63
AMS-403.13	5/8" NF Extendable Tile Probe Tip	0.2 lb.	16.37
AMS-214.22	1 1/2" Concrete Bit SDS-Max	4.2 lb.	253.16
AMS-214.26	2 1/2" Wild Bore SDS-Max	6.6 lb.	563.78
AMS-214.20	5/8" NC Male to SDS-Max Drill Adapter	0.8 lb.	98.76
AMS-405.27	5/8" NC Male to Splined Drill Adapter	0.6 lb.	99.19
AMS-405.23	2" x 36" Flighted Lead Auger with 2" Hard Surfaced Tip	6.0 lb.	289.11
AMS-405.24	2" x 36" Flighted Extension	5.8 lb.	243.32
AMS-405.26	2" Carbide Tip	0.7 lb.	133.32
AMS-400.99	5/8" NC Regular Slide Hammer	10.3 lb.	185.97
AMS-214.105	5/8" NC Slide Hammer Adapter to 3/4" OD	0.7 lb.	52.54
AMS-214.18	SDS-Max Drill Adapter to 3/4" OD	0.8 lb.	62.59
AMS-214.045	Extension Drive Adapter to 3/4" ID	2.0 lb.	77.90
AMS-214.06	5/8" NF 3' GVP Extension	2.6 lb.	129.90
AMS-214.05	5/8" NF 4' GVP Extension	2.4 lb.	161.03
AMS-214.09	5/8" NF GVP Tip Drive End	0.2 lb.	36.38
AMS-211.00	Dedicated GVP Tip & Umbrella	0.1 lb.	19.47
AMS-210.01	GVP Retract-A-Tip	0.6 lb.	249.52
AMS-55467	6" Implant Drive Kit	1.0 lb.	144.45
AMS-215.00	250' Fluoropolymer Tubing	5.1 lb.	417.19



Sample Liners

Soil Core, and Sludge & Sediment Liners

Plastic, Stainless Steel, Brass, or Aluminum Liners!

Order liners by size and material type desired. Specify length and diameter when ordering. The sizes shown are the retaining cylinder size.

*No returns are accepted for Plastic Liners

Cat. No.	Description	Wt.	Price
Aluminum Liners			
AMS-405.04	1 1/2" x 6"	0.2 lb.	\$ 9.09
AMS-405.57	1 1/2" x 12"	0.3 lb.	12.63
AMS-404.11	2" x 1"	0.1 lb.	4.28
AMS-404.12	2" x 2"	0.1 lb.	4.60
AMS-404.13	2" x 3"	0.1 lb.	4.92
AMS-404.15	2" x 4"	0.2 lb.	5.56
AMS-404.16	2" x 6"	0.2 lb.	6.53
AMS-405.45	2" x 8"	0.3 lb.	9.52
AMS-405.46	2" x 10"	0.3 lb.	9.80
AMS-405.07	2" x 12"	0.4 lb.	10.38
AMS-405.15	2 1/2" x 6"	0.3 lb.	8.77
AMS-405.64	2 1/2" x 12"	0.5 lb.	11.57
AMS-405.06	3" x 6"	0.3 lb.	11.45
AMS-405.71	3" x 10"	0.5 lb.	14.76
AMS-405.72	3" x 12"	0.6 lb.	18.51
AMS-405.67	3" x 3"	0.2 lb.	7.17

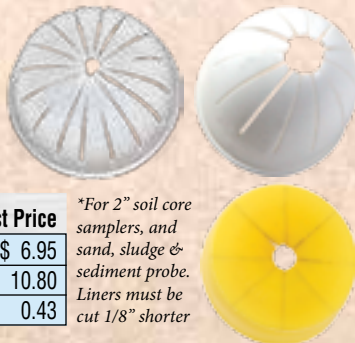
Cat. No.	Description	Wt.	Price
Plastic Liners			
AMS-406.56	1 3/8" x 6"	0.1 lb.	\$ 3.10
AMS-406.57	1 3/8" x 12"	0.2 lb.	3.85
AMS-405.08	1 1/2" x 6"	0.1 lb.	2.78
AMS-406.53	1 1/2" x 12"	0.1 lb.	3.85
AMS-404.17	2" x 1"	0.1 lb.	1.71
AMS-404.18	2" x 2"	0.1 lb.	1.82
AMS-404.19	2" x 3"	0.1 lb.	2.14
AMS-404.20	2" x 4"	0.1 lb.	2.46
AMS-404.21	2" x 6"	0.2 lb.	3.21
AMS-422.03	2" x 8"	0.2 lb.	4.92
AMS-422.04	2" x 10"	0.2 lb.	5.46
AMS-405.10	2" x 12"	0.2 lb.	5.88
AMS-425.20	2" x 24"	0.3 lb.	9.63
AMS-406.72	2" x 36"	0.4 lb.	12.41
AMS-406.73	2" x 48"	0.5 lb.	14.44
AMS-406.55	2 1/2" x 6"	0.2 lb.	3.85
AMS-406.74	2 1/2" x 12"	0.3 lb.	7.38
AMS-405.09	3" x 6"	0.2 lb.	4.28
AMS-422.01	3" x 10"	0.3 lb.	7.06
AMS-422.02	3" x 12"	0.4 lb.	8.13



*Note: Liner end caps are only available in blue.

Soil Core Catchers

Minimize sample loss of dry, loose soil. Soil core catchers are used to minimize the loss of dry, loose soil samples during soil recovery.



Cat. No.	Description	Weight	List Price
AMS-405.04	Soil Core Catcher	0.1 lb.	\$ 6.95
AMS-405.57	Eggshell Catcher	0.1 lb.	10.80
AMS-405.67	Core Catcher	0.1 lb.	0.43

*For 2" soil core samplers, and sand, sludge & sediment probe. Liners must be cut 1/8" shorter

Liner End Caps for Soil Core Liners

Polyethylene plastic end caps cover the ends of AMS Liners.

Cat. No.	Description	Weight	List Price
AMS-418.11	1 3/8" Liner End Cap	0.1 lb.	\$ 0.06
AMS-418.08	1 1/2" Liner End Cap	0.1 lb.	0.06
AMS-418.10	2" Liner End Cap	0.1 lb.	0.06
AMS-404.85	2 1/2" Liner End Cap	0.1 lb.	0.06
AMS-418.09	3" Liner End Cap	0.1 lb.	0.06

Brass and Stainless Steel Soil Sample Liners

The EPA prefers stainless steel soil sample liners when collecting samples for soil analysis. Enviro-Tech is the only company which pre-cleans your liners, at no extra cost, on every order.

GO TO THE SOURCE!

To give you the best price, we cut and debur any liner size.



Quality Soil Sample Liners

Enviro-Tech provides pre-cleaned liners at no extra cost, on every order.

Standard Dimensions	Cat. No.	Brass	Cat. No.	Stainless
1.5"x3"	VB-BL153	\$ 4.50	VB-SL153	\$ 2.20
1.5"x6"	VB-BL156	7.50	VB-SL156	2.70
2"x3"	VB-BL23	5.50	VB-SL23	2.90
2"x4"	VB-BL24	7.50	VB-SL24	3.10
2"x6"	VB-BL26	8.25	VB-SL26	3.80
2.5"x3"	VB-BL253	6.50	VB-SL253	3.60
2.5"x6"	VB-BL256	9.00	VB-SL256	4.90

Cat. No.	Description	Price
VB-EC	Plastic End Caps (1", 1.5", 2", 2.5")	\$ 0.15
VB-TT4	Roll Teflon Tape 4" x 100' Regular	60.00
VB-PTT4	Roll Teflon Tape 4" x 100' Perforated	75.00
VB-STD1	Adhesiveless (Silicon) Tape	12.00
VB-T54	4x4 Teflon Squares 100/pk.	35.00

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Plastic Disposable Scoops

Our general purpose round bottom scoop is the ideal product to use for soil sampling, and other sampling applications where a low cost and disposable sampling device is preferred. The scoops are available in quantities and special packs to fit most sampling applications.



Precleaned Scoops... Each HDPE general purpose precleaned scoop has been carefully cleaned to EPA protocol "6", and individually packaged in its own poly bag.

Precleaned Scoops with Sterile Sampling Bag... Each precleaned plastic scoop is individually packaged with an 18 oz. sterilized sampling bag which incorporates a write-on area for identification. This is an ideal, inexpensive product for field soil sampling or other applications where a scoop and container are needed.

Capacity	Case Pack	Standard Scoops		Precleaned Scoops	
		Item	Case Price	Item	Case Price
4 oz.	10	CON-8504-10	\$11.50	CON-8504-10C	\$15.50
	25	CON-8504-25	32.50	CON-8504-25C	38.80
	50	CON-8504-50	61.25	CON-8504-50C	73.70
6 oz.	10	CON-8506-10	12.50	CON-8506-10C	16.50
	25	CON-8506-25	35.00	CON-8506-25C	41.65
	50	CON-8506-50	66.50	CON-8506-50C	79.80
8 oz.	10	CON-8508-10	14.00	CON-8508-10C	17.50
	25	CON-8508-25	45.00	CON-8508-25C	51.75
	50	CON-8508-50	85.00	CON-8508-50C	98.35
16 oz.	10	CON-8516-10	21.00	CON-8516-10C	24.50
	25	CON-8516-25	78.75	CON-8516-25C	102.40
	50	CON-8516-50	141.75	CON-8516-50C	184.30

NEW and Improved!



Now includes two new soil charts, more water resistant pages, and recessed paint chips!

Munsell® Soil Color Chart Binder

Color classification of soils using 250 mounted chips.

The Munsell color chart enables color classification of soils using 250 mounted color chips. Developed with the U.S. Soil Conservation Service, this guide is the industry standard. The chart now includes two new soil charts – 7.5R and 5R! The pages are more water resistant, and recessed paint chips are less likely to chip or fall off. The recessed chips also make it easier to compare your sample's color.

Cat. No.	Description	Weight	Price
AMS-504.00	Munsell Soil Color Chart Binder	0.8 lb.	\$ 218.26

McCullough Geo Guide Card and Geotechnical Gauge

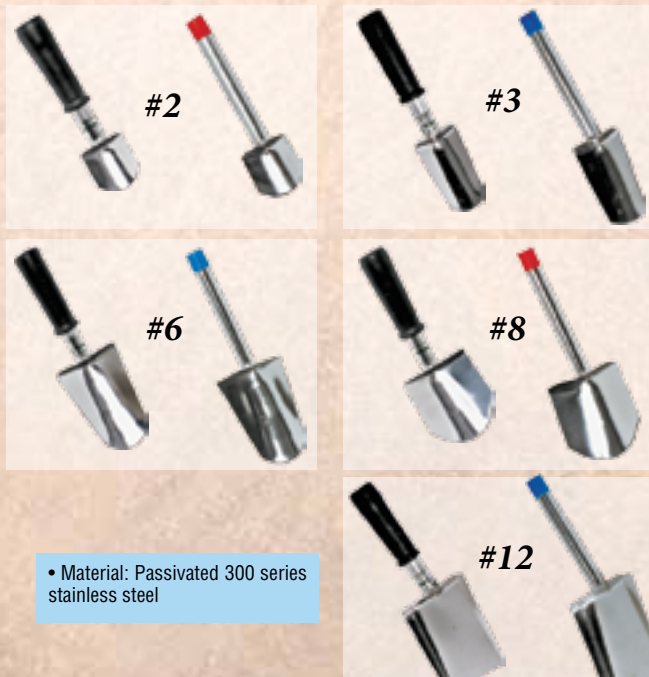
This card provides classification information on a flexible, waterproof plastic card with lanyard. It includes soil type samples, classification by type, grain size, and color. It features six common Munsell® soil colors, Unified Soil Classification System (USCS), soil compaction tests for clay and sand, and size classification chart with actual sand grains from coarse to silt.



Cat. No.	Description	Weight	Price
AMS-504.20	McCullough Geo Guide Card and Geotechnical Gauge	0.1 lb.	\$ 20.22

Scoops

Scoops may be used for sampling or compositing. The range of 5 sizes has been the industry standard for this purpose for over a decade. Sized by the approximate weight in ounces, they are available with or without a rubber handle.



• Material: Passivated 300 series stainless steel

Cat. No.	Description	Weight	List Price
AMS-427.82	#2 Scoop With Rubber Grip	SST 0.5 lb.	\$25.47
AMS-427.83	#3 Scoop With Rubber Grip	SST 0.5 lb.	25.47
AMS-427.84	#6 Scoop With Rubber Grip	SST 0.6 lb.	25.47
AMS-427.85	#8 Scoop With Rubber Grip	SST 0.6 lb.	25.47
AMS-427.86	#12 Scoop With Rubber Grip	SST 0.8 lb.	29.10
AMS-428.02	#2 Scoop Without Rubber Grip	SST 0.3 lb.	23.54
AMS-428.03	#3 Scoop Without Rubber Grip	SST 0.4 lb.	23.54
AMS-428.04	#6 Scoop Without Rubber Grip	SST 0.5 lb.	23.54
AMS-428.05	#8 Scoop Without Rubber Grip	SST 0.5 lb.	23.54
AMS-428.06	#12 Scoop Without Rubber Grip	SST 0.7 lb.	26.54

Soil Core Products to Comply with EPA Method 5035

EnCore Sampler

This device is one EPA "accepted" apparatus for the collection and storage of soil samples used in accordance with EPA Method 5035.

Operating this product consists of taking a 5 or 25 gram sample using the handheld EnCore Sampler. The collection process involves attaching a disposable 5 or 25 gram EnCore sampler into a Standard T-Handle and then pushing the device into the soil. The undisturbed soil sample is then contained in an EnCore sampler for transport to the laboratory.



Standard EnCore™ T-Handle

Cat. No.	Description	List Price
ECSK-1	Starter Kit, 1 Encore T-Handle 5 or 25 gr.	\$365.00
ET-ENCORE-50	Encore 5 or 25 gr Samplers (50/case)	595.00/cs.
ET-ENCORE-T	Standard EnCore T-Handle	200.00
ECSK-4	Encore Extrusion Tool	290.00

New! Disposable Soil Samplers

Easily collect and preserve 5-10 gram undisturbed samples for subsequent chemical analysis.

ESS Core N' One™

The easiest way to sample and transport 5 grams of undisturbed soil samples for US EPA Method 5035.

- CNO is both a soil collection and transport container.
- CNO Capsule incorporates an extruding feature; no need for expensive tools.
- Threaded septa closure insures air tight seal.
- CNO Handle is strong, economical, and easy to use.
- Each Capsule comes in a heavy gauge zip lock bag with attached ESS Sample label.



Use for both soil collection and transportation.

Cat. No.	Description	List Price
Core N' One		
ESS-19082	Core N' One Soil Handle	\$ 13.50
ESS-19083	Core N' One Soil Capsule (20)	160.00

Core N' One Instructions For Use:

- 1) Remove capsule from zip lock and insert prongs into the slots of the CNO handle. Make a 1/4 turn to the right to lock the capsule in place.
- 2) Unscrew the capsule cap and bore the beveled edge opening into the soil. You can determine if you have taken a full (+/-5 gram) sample holding the capsule up to the light. The dark shading of the soil should be at the top level of the cap threads.
- 3) Wipe any soil from the cap threads and screw the cap tight. The edge of the cap should touch the center rib of the capsule.
- 4) Insert the capsule into the rip lock for transport to the lab.
- 5) To extrude the soil, remove the sample side screw threaded closure (with the Teflon/silicone septum inserted).
- 6) Then remove the hack side screw threaded portion. Reverse this piece so the built-in cup portion can be put over the plunger.
- 7) Push down on the plunger to extrude the soil sample.

ESS Lock N' Load™

The easiest way to collect undisturbed, measured soil cores for field preservation techniques for EPA Method 5035.

- Handle locks at 5 and 10 gram settings with one easy turn.
- Beveled edge syringe is stronger than cut syringes and fits in the neck of 40 ml glass vials.
- Turn handle and push to dispense soil into the vial. Soil dispensing is done without having to remove the syringe.
- Strong, Accurate, Easy and Economical
- Lock N' Load Handle and Syringes can also be used in the lab. Great for subsampling from brass sleeves or soil jars to 40 ml vials for auto-sampler extraction.



5-10 gram samples meet EPA Method 5035.

Cat. No.	Description	List Price
Core N' One		
ESS-19080	Lock N' Load 5035 Soil Handle	\$ 15.00
ESS-19081	Lock N' Load 5035 Soil Syringe (50/cs)	85.00

Lock N' Load™ Handle & Syringe Instructions For Use:

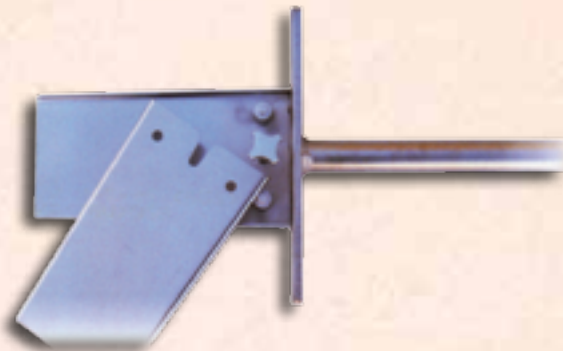
- 1) Insert Lock N' Load™ Syringe into Lock N' Load™ Handle at base opening. Turn the locking portion of the syringe to the 0 gram setting.
- 2) Remove end cap from the Lock N' Load™ Syringe.
- 3) Position the Lock N' Load™ Handle to the desired soil sample volume (5 grams or 10 grams). To do this, slide the slot portion of the handle down the fitted track, then turn the handle 1/4 turn right at the desired setting.
- 4) Push the syringe into the soil until the plunger portion of the syringe makes contact with the base of the Lock N' Load™ Handle.
- 5) Transfer the soil from the syringe into a 40 ml vial by turning the Lock N' Load™ Handle 1/4 turn left (back to the fitted track) and pushing down.
- 6) Cap the vial and store the sample at 4° C until time of analysis.

* USEPA Method 5035 recommends 5 grams of soil for low level analysis (with 5 mL of sodium solution) and 10 grams of soil for medium to high level analysis (with 10 mL of methanol). Sample amounts and preservative / types may vary between regulatory agencies.

** Please note the beveled edge of the Lock N' Load™ Syringe is designed to fit perfectly into ESS' 40 mL vials.

Soil Profiler

A replaceable wedge of your sample is just one step away using the AMS Soil Profiler. The Profiler is made of stainless steel with a detachable plate for easy sample removal and viewing. Samples may be replaced or packaged for further analysis. For tougher soil conditions see the AMS Soil Profiler and Hammer.



Cat. No.	Description	Wt.	Price
AMS-427.75	Profiler-One Piece	4.06	\$170.88

Pocket Penetrometer

This lightweight penetrometer reduces human error in classification of cohesive soils. Can also be used with the torsional vane shear tester (TSVT) for rapid estimation of the degree of internal friction of soil. Made from anodized aluminum. The anodized scale is virtually indestructible and has a manufacturer's guarantee for 1 year. An allen wrench and a carrying case with belt loop are included. 6-1/4" long.



Cat. No.	Description	Price
DUR-S-17013	Pocket Penetrometer, nickel-plated body	\$86.00
DUR-S-17010	Penetrometer foot w/allen wrench	35.00

MiniRAE Lite

Environmental Applications Monitor without datalogging features and has a lower detection range



The MiniRAE Lite is excellent for environmental sampling and is over \$1,000 less than the MiniRAE 3000. The differences are simple. Range is reduced to 5,000 ppm and it does NOT datalog. Also, the easy-to-use replaceable alkaline battery source provides instant use in the field—no more worries about recharging.

RENTAL RATES
95 / 285 / 855
 DAY WEEK MONTH
 Also a Certified Repair Facility

Key Features

- 4th Generation PID Meter
- Designed for Environmental Applications
- Easier to use
- Lower Cost
- Professional

Tech Tip

The Photoionization Detector is used for screening soil samples for Volatile Organic Compounds. It is commonly used to delineate soil contaminated areas from clean soil areas and for selecting what soil samples will be analyzed for VOCs. It is also used to screen drilling fluids or auger cuttings for the presence of VOC compounds.



Cat. No.	Description	Price
RAE-059-A110-0000	MiniRAE Lite only, rechargeable	\$2,660.00
RAE-059-A110-1000	MiniRAE Lite KIT	3,200.00

Complete Kit includes:

Hard carry case, monitor, lamp, cleaning kit, 5 filters, gas outlet post & tubing, calibration gas, flow controlled regulator.
 Alkaline battery power source or rechargeable Li-ion battery.

Reference Chart & Index

		Air Velocity	Single Gas	Multi Gas	Photoionization	Confined Space	HazMat & Fire	Indoor Air Quality	Wireless	Portable	Fixed	Manufacturer	Page
PID	MiniRAE Lite				●					●		RAE Systems	50
	ppbRAE 3000				●		●	●	●	●		RAE Systems	51
	MiniRAE 3000				●					●		RAE Systems	52
Multi Gas +PID	MultiRAE Pro			●	●	●	●			●		RAE Systems	53
Multi Gas & Air Velocity	Velocicalc	●								●		TSI	54
	QRAE III			●		●				●		RAE Systems	54
	RKI Tracer & GX 2012			●		●	●			●		RKI	55
	RKI Eagle 2			●	●	●	●			●		RKI	55
Dosimeter	CEL-350 dBadge									●	●	Casella	56
Single Gas	ToxiRAE Pro		●		●	●		●	●			RAE Systems	57
 Tubes & Pumps	Colorimetric Tubes/Pump		●				●			●		RAE Systems	58
Particulate	Micro Dust Pro						●			●		Casella	59
Accessories	Air Monitoring Accessories												59

Photoionization Detectors (PIDs)

ppbRAE 3000

Portable Handheld VOC Monitor

The ppbRAE 3000 is the most advanced handheld volatile organic compound (VOC) gas monitor on the market. Its extended range of 1 ppb to 10,000 ppm makes it an ideal instrument for applications from HazMat/Homeland Security and industrial hygiene to indoor air quality and military applications. The RF modem allows real-time data communication with a base controller located up to 500 feet away, two-miles with optional RAELink 3 portable modem.

ppbRAE 3000 Uses

Hazmat teams, firefighters, and arson investigators know they can depend on the ppbRAE 3000 to be rugged and ready for duty when they need it. The unit operates for extended periods, thanks to a long-life, drop-in lithium-ion battery pack.

Military, police and SWAT personnel will appreciate RAE System's three-button user interface. Oversized buttons enable ease of use while wearing gloves. The ppbRAE 3000's 95dB acoustic alarm is readily heard in the noisiest environments, and its ultra-bright optical alarm is highly visible and easy to notice. The built-in flashlight provides additional safety and functionality in dark conditions.

Decontamination personnel will appreciate the IP-67 rating during cleaning and decontamination in water.

Sensor Specifications

Gas	Range	Resolution	Response Time T90
VOCs	0 to 9999 ppb	1 ppb	< 3 seconds
	10 to 999 ppm	0.1 ppm	< 3 seconds
	1000 to 9999 ppm	1 ppm	< 3 seconds

ppbRAE 3000 Model PGM-7340

The rugged ppbRAE 3000 is the most advanced pumped handheld volatile organic compound (VOC) monitor 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 IAQ to HazMat/Homeland Security and Military.

Monitor only includes:

- ppbRAE 3000 Monitor, Model PGM-7340
- Wireless communication module in built, as specified
- Datalogging with ProRAE Studio
- Travel download charger
- RAE UV lamp, as specified
- Flex-I-Probe™
- External Filter
- Black rubber boot with straps
- Alkaline battery adapter
- Lamp cleaning and Tool kit
- Li-Ion battery with universal AC/DC charger and international plug kit, if specified
- Resources CDROM and maintenance manual
- Soft leather carrying case
- VOC Zeroing Tubes (1 box), Tube adapter, Tedlar® bag

Monitor with accessories kit adds:

- Hard transport case with pre-cut foam padding
- Charging/download cradle (instead of travel charger)
- 5 Porous metal filters and O-rings
- Gas outlet port adapter and tubing

Optional calibration kit adds:

- 10 ppm isobutylene calibration gas, 34L
- Calibration regulator & flow controller

Optional Guaranteed Cost of Ownership:

- Available in North America only
- 4-year repair and replacement guarantee
- Annual maintenance service



Cat. No.	Lamp	Li-Ion/Universal Accessories			Wireless Bluetooth	Price
		Charger	Kit	Kit		
RAE-059-C110-000	10.6 eV	●				\$ 6,720.00
RAE-059-C110-100	10.6 eV	●	●	●		7,260.00
RAE-059-C111-100	10.6 eV	●	●	●	●	7,580.00

*Prices subject to change without notice

MiniRAE 3000 PID Monitor

Introduced in June, 2007, RAE Systems has listened carefully to suggestions from working field technicians to produce this advanced portable handheld VOC Monitor. The innovations include:

RENTAL RATES
95 / 285 / 855
DAY WEEK MONTH
Also a Certified Repair Facility



Key Features:

- 3rd Generation PID Technology
- 3-second Response Time
- Extended Range: 0.1 to 15,000 ppm
- Humidity Compensation
- Large Display for Easy Viewing
- Over 200 Built-in Correction Factors
- Numerical and Graphical Readout
- Easy to Maintain – No Tools
- Field Accessible Lamp and Battery
- Wireless Modem – up to 500 ft/200 m Range (Optional 2 mile/2km)
- Instantaneous Data and Alarms

GIVE RAE SYSTEMS CREDIT for listening to the working field professional and providing a better tool for environmental site surveying. This is the third generation PID since 1992. No other manufacturer has been able to keep pace.

MiniRAE 3000 PID Monitor Price Options

		Most Popular Options	
		Monitor Only	Complete Kit
Basic Unit		\$3,960.00	\$3,960.00
A Lamps			
1	10.6 eV lamp 1/2"	+\$ 0.00	\$0.00
2	11.7eV lamp 1/2"	+\$ 103.00	\$0.00
3	9.8 e V lamp 1/2"	+\$ 52.00	\$0.00
B Batteries, Chargers			
0	Alkaline Only	+\$ 0.00	\$0.00
1	UL version Rechargeable Li-ion battery, universal wall adapter	+\$ 110.00	\$110.00
C Wireless			
0	No Wireless	+\$ 0.00	\$0.00
1	Wireless (Bluetooth) data download (2.4 Ghz)	+\$ 320.00	\$320.00
D Kits			
0	Monitor Only	+\$ N/A	\$0.00
1	Accessories and Calibration Kit (with gas and regulator)	+\$ 540.00	\$540.00
2	Accessories Kit (no gas, with regulator)	+\$ 480.00	\$0.00
3	Accessories Kit (no gas or regulator)	+\$ 340.00	\$0.00
RAE-0 59- B A B C - D 0 0		Total	
RAE-0 59- B 1 1 0 - 0 0 0	Basic Monitor Only Kit	(see below)	\$4,070.00
RAE-0 59- B 1 1 1 - 1 0 0	Basic Monitor + Calibration Kit	(see below)	\$4,930.00

Basic Monitor Kit (\$4,070⁰⁰)

Monitor only includes:

- MiniRAE 3000 Monitor, Model PGM-7320
- Wireless communication in build, as specified
- Datalogging with ProRAE Studio Package for Windows™ 95, 98, 2000, NT, ME & XP
- Charging/download adapter
- RAE UV lamp, as specified
- Flex-I-Probe™
- External filter
- Rubber boot with belt clip and straps
- Alkaline battery adapter
- Lamp-cleaning kit
- Tool kit
- Lithium-ion (Li-ion) battery with universal AC/DC charger and international plug kit
- Operation CD-ROM
- Operation & Maintenance manual
- Soft leather carrying case

Complete Accessories Kit (\$4,930⁰⁰)

Everything to the left plus:

- Hard transport case with pre-cut foam padding
- Charging/download cradle
- 5 Porous metal filters and O-rings
- Organic vapor zeroing kit
- Gas outlet port adapter and tubing

MiniRAE Lite
See Page 50






Multi Gas + PID

MultiRAE Multi-Threat Monitors (PGM-62X8 Series)

The MultiRAE Family of Wireless Multi-Threat Monitors - Wireless. Versatile. Proven (Models PGM-62X8)

MultiRAE portable multi-threat monitors combine best-in-class detection capabilities with optional integrated wireless functionality, to help elevate safety of workers and responders and reduce facility downtime. MultiRAE monitors offer an industry-leading selection of interchangeable electrochemical, combustible, infrared, PID (photo- ionization detector), and radiation sensors to protect users from a broad range of toxic and combustible gases, volatile organic compounds (VOC), gamma radiation, and oxygen deficiency / enrichment in a wide variety of applications.

	MultiRAE Pro BEST	MultiRAE BETTER	MultiRAE Lite GOOD
Appearance			
Gamma Radiation Sensor	Yes		
Ppb PID (10.6 eV; 0.01 - 2,000 ppm; 10 ppb res.)	Yes		
High-Range Ppm PID (10.6 eV; 0.1 - 5,000 ppm; 0.1 ppm res.)	Yes	Yes	
Ppm PID (10.6 eV; 1 - 1,000 ppm; 1 ppm res.)			MultiRAE Lite Pumped Only
9.8 eV PID (1 - 1,000 ppm, benzene; 0.1 ppm res.)	Yes	Yes	
20+ Electrochemical Sensors	Yes	Yes	Yes
Hydrogen (H2) Sensor			MultiRAE Lite Diffusion Only
Catalytic %LEL Sensor	Yes	Yes	Yes
Combustible NDIR Sensors (%LEL or %Vol. CH4)	Yes	Yes	MultiRAE Lite Pumped Only
CO2 NDIR Sensor	Yes	Yes	Yes
Integrated Wireless Modem (Optional)	Yes	Yes	Yes
Sampling	Pumped	Pumped	Pumped or Diffusion
IP Rating	IP-65 / IP-67 (when unit is off)	IP-65	IP-65 (Pumped) / IP-67 (Diffusion)
Default Rubber Boot Color	Black	Yellow	Yellow
Automatic Test and Calibration System	AutoRAE 2	AutoRAE 2	AutoRAE 2
Monitor-Only (Ordered Without a Kit) Comes in a...	"Pelican" case	Hard plastic case	Cardboard box with sleeve



MultiRAE Lite

The MultiRAE Lite can be configured with a total of 5 sensors using any combination of 25 different electrochemical sensors, either a combustible or IR LEL sensor, an IR CO2 sensor, and the standard 1 to 1000 ppm PID. MultiRAE Lites can be ordered as either a pumped or diffusion version (MultiRAE Lites with a PID must be configured with a pump). The MultiRAE Lite is a very cost effective and versatile gas monitor for environmental applications.

RENTAL RATES

95 / 285 / 855

DAY WEEK MONTH

Also a Certified Repair Facility

MultiRAE

The standard version in RAE System's new line of MultiRAE multiple threat detectors. The MultiRAE is capable of all the configurations available with the MultiRAE Lite, but features a high end PID sensor with an increased range of 1 to 5000 ppm, a greater 0.1 ppm resolution, and a 9.8 eV lamp option. The standard MultiRAE comes in pumped versions only and is the recommended replacement for the MultiRAE Plus.



Cat. No.	Description	Price
MAB3-A2C112E-020	MultiRAE Lite monitor only pumped version 10.6 eV PID, LEL, H2S, CO, O2	\$ 2,200.00
MAB3-A2C112E-02M	MultiRAE Lite with confined space kit and calibration kit, pumped version, no wireless 10.6 eV PID, LEL, H2S, CO, O2	3,240.00
MAB3-A2C112E-421	MultiRAE Lite with confined space kit pumped version, wireless 10.6 eV PID, LEL, H2S, CO, O2	2,810.00

Cat. No.	Description	Price
MBB3-A1C112E-020	MultiRAE Basic Unit; LEL, O2, H2S, CO, PID non-wireless	\$ 3,940.00
MBB3-A1C112E-02M	MultiRAE w/csk & cal. kit; LEL, O2, H2S, CO, PID, non-wireless	4,780.00
MBB3-A1C112E-42M	MultiRAE w/csk & cal. kit; LEL, O2, H2S, CO, PID, wireless	5,080.00

*Prices subject to change without notice

Multi Gas Detection



QRAE 3 Four-Gas Confined Space Gas Detector

The QRAE 3 is a full-featured, compact, two- to four-sensor confined space gas detector. The rechargeable Lithium-ion battery pack provides up to 20 hours of continuous operation. The QRAE 3 includes 16,000 datalogging points of storage capacity for download to any PC compatible with Windows 98, NT, 2000 and XP.

RENTAL RATES
80 / 240 / 720
DAY WEEK MONTH
Also a Certified Repair Facility

QRAE 3 is a versatile, rugged, one- to four-sensor pumped or diffusion gas monitor that provides continuous exposure monitoring of oxygen (O₂), combustibles, and toxic gases, including hydrogen sulfide (H₂S), carbon monoxide (CO), sulfur dioxide (SO₂) and hydrogen cyanide (HCN), for workers and responders in hazardous environments.

The QRAE 3's wireless communications capability enables access to real-time instrument readings and alarm status (including man-down alarm) from any location, for better visibility and faster response. Real-time hazard readings can also be communicated to the ProRAE Guardian Safety System and the EchoView Host Mini-Controller Closed-Loop Wireless System, for safety-enhancing wireless monitoring.



Sensor Specifications

Gas Monitor	Range	Resolution
Oxygen	0-30.0%	0.1%
Combustible	0-100% LEL	1% LEL
Carbon Monoxide	0-500 ppm	1 ppm
Hydrogen Sulfide	0-100 ppm	1 ppm
Sulfur Dioxide	0-20.0 ppm	0.1 ppm
Hydrogen Cyanide	0-100 ppm	1 ppm

Cat. No.	Description (Pumped Version Only Shown)	Price
	QRAE 3 LEL / O₂ / H₂S / CO Meter	
M020-11111-111	Basic Unit with Accessories Kit (no gas or regulator)	1,025.00
M020-11111-112	Unit with Accessories and Calibration Kit	1,250.00
	QRAE 3 LEL / O₂ / H₂S / CO Meter Wireless	
M020-11211-111	Basic Unit with Accessories Kit (no gas or regulator)	1,125.00
M020-11211-112	Unit with Accessories and Calibration Kit	1,350.00
	QRAE 3 Confined Space Kits	
CSK-1	Confined Space Kit for QRAE 3	\$ 220.00
CSK-2	Confined Space Kit for QRAE 3	660.00

Air Velocity Meter

VelociCalc Air Velocity Meter 9535

PRODUCT DETAILS

The VelociCalc® Air Velocity Meter 9535 is like having multiple meters for the price of just one. This meter simultaneously measures and data logs several ventilation parameters using a single probe with multiple sensors. It measures velocity and temperature; and calculates flow. The 9535 model comes with a telescopic straight probe.

FEATURES AND BENEFITS

- Simple to operate
- Accurate air velocity measurement
- 0 to 6,000 ft/min (0 to 30 m/s) range
- Simultaneously measures temperature and velocity
- Calculates volumetric flow and actual/standard velocity
- Displays up to three measurements simultaneously
- Data log 12,700+ samples and 100 test IDs
- Articulated probe version available (9535-A)

APPLICATIONS

- HVAC system performance
- Commissioning
- Simple to operate
- Plant maintenance
- Critical environment certification
- Duct traverses

RENTAL RATES
50 / 90 / 230
DAY WEEK MONTH
Also a Certified Repair Facility

Kit Includes:

INCLUDED ITEMS

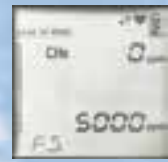
- Instrument
- Hard carrying case
- 4 alkaline batteries
- USB cable and LogDat2™ Downloading Software
- Operation and service manual
- Calibration certificate



Cat. No.	Description	Price
TSI-9535	VelociCalc, Model 9535 Telescopic Probe	\$ 990.00
TSI-9535A	VelociCalc, Model 9535A Articulated (flexible) Probe	1,150.00

Multi-Gas Detection

RKI Gas Tracer



Leak Check Mode



Bar Hole Mode

3 Bright visual alarm LEDs (top and sides)

Combustible display automatically switches
• % LEL / % volume

Peak level bar display

Monitors
• LEL / % volume CH4
• PPM leak check CH4
• O2
• CO

Glove friendly buttons



Internal sample draw pump with 50' range

95 db audible & vibration alarm

Status indicators
• Pump Activity
• Blinking heart (microprocessor status)
• Battery level

Time indicator

Datalogging standard
• Snap shot logging
• Bar hole logging
• Calibration and bump test
• Thermal conductivity sensor required for Bar Hole and % volume measurement

Built around high-quality micro-sensor technology, the Gas Tracer is RKI's smallest personal 5 sensor monitor with a built in sample pump.

Weighing only 12.3 ounces, it has many features which set the Gas Tracer apart from the competition. For example, it can monitor the standard gas safety hazards for gas/pipeline operations, (LEL combustibles, Oxygen content, and Carbon Monoxide), and it also has a high-sensitivity ppm CH4 leak tracker mode which reads down to 10 ppm. It can also measure 100% volume Methane and dynamically display either % LEL, or % volume with its auto-ranging ability.

The Gas Tracer is excellent for gas line purge testing and detection of small gas leaks.

Monitors ppm, LEL, and % volume methane, O2 and CO	PPM leak detector, detects down to 10 ppm CH4	"Leak tracker" audible/visual alarm mode	0 to 100% volume Methane option	Auto-ranging display of % LEL and % volume	Barhole test mode
Bump test reminder option	Snap-logging - on-demand data recording	Pump pause on-demand extends battery life	Status indicators: • Pump active • Microprocessor status • Battery level	Internal sample drawing pump with up to 50 foot range	Vibration, visual, and audible alarms
Automatic backlight during alarms	Calibration reminder with lock out option	Lithium ion or alkaline power battery packs (interchangeable)	Quick charge	Glove friendly large buttons	Alarm latching or non-latching
High impact protective rubber overmoldin 2 year warranty	Up to 600 hours of datalogging with alarm trends Made in U.S.A.	Autocalibration or single calibration	TWA and STEL readings with lunch-break mode	Intrinsically safe, ATEX/IECEx/CE, c CSA us (Optional)	High dust and water resistance design

RENTAL RATES
60 / 180 / 540
DAY WEEK MONTH
Also a Certified Repair Facility

Air Monitoring Equipment

RKI GX-2012

Internal sample draw pump with 50' range

3 Bright visual alarm LEDs (top and sides)

Combustible display automatically switches
• % LEL / % volume

Peak level bar display

Monitors
• LEL / % volume CH4
• O2
• CO
• H2S

Glove friendly buttons



Pump Pause on demand extends battery life

95 db audible & vibration alarm

Status indicators
• Pump Activity
• Blinking heart (microprocessor status)
• Battery level

Time indicator

Datalogging standard
• Snap shot logging
• Bar hole logging
• Calibration and bump test
• Thermal conductivity sensor required for Bar Hole and % volume measurement

Built around high-quality micro-sensor technology, the GX-2012 is RKI's smallest personal 5 sensor gas monitor with a built in sample pump. Weighing only 12.3 ounces, two operating modes: Normal (for confined spaces) and Bar Hole.

The GX-2012 can monitor the standard confined space gases (LEL combustibles, Oxygen content, Carbon Monoxide, and Hydrogen Sulfide), and it can also measure 100% volume Methane and dynamically display either % LEL, or % volume with its auto-ranging ability. The GX-2012 can be used for gas line purge testing as well as standard safety testing.

High impact, dust and water resistant design	2 year warranty	Monitors ppm LEL, % volume methane, O2, CO and H2S	0 to 100% volume methane option
Auto-ranging display of % LEL and % volume	Barhole test mode	Internal sample drawing pump with up to 50 foot range	Vibration, visual, and audible alarms
Automatic backlight during alarms	Calibration reminder with lock out option	Lithium ion or alkaline battery source (interchangeable)	Quick charge
Glove friendly large buttons	Alarm latching or non-latching	High impact protective rubber overmolding	Up to 600 hours of datalogging with alarm trends
Autocalibration or single calibration	TWA and STEL readings with lunch-break mode	Snap-logging - on demand data recording	Intrinsically safe, ATEX/IECEx/CE, c CSA us (pending)

Cat. No.	Description	Price
72-0290-18-C	LEL/%vol CH4/O2	\$1,195.00
72-0290-27-C	LEL/%vol CH4/O2/H2S/CO	1,295.00

RENTAL RATES
60 / 180 / 540
DAY WEEK MONTH
Also a Certified Repair Facility

Page 55

RKI Eagle 2



RKI is proud to offer the next generation of our popular EAGLE portable gas detector. Equipped with features that are not available on competitive units, the EAGLE 2 is a powerful instrument that does more than just offer the standard confined space protection for LEL, O2, H2S and CO. Detection combinations never before offered in a portable gas monitor are now available featuring the industry's widest selection of high quality, long life and field proven sensors. The EAGLE 2 now includes PID (Photo Ionization Detector) capability. Conversion factors for a variety of common gases are programmed into the EAGLE 2, for both the PID sensor and LEL/PPM catalytic sensor.

PPM / LEL hydrocarbon detection	PID (Photo Ionization Detector) low and high range for VOC detection	Infrared Sensors available for CO2, % LEL CH4, % Vol. CH4, % LEL HC, % Vol. HC
TC (Thermal Conductivity) sensor available for % Vol. H2 or % Vol. CH4	Plug and play, smart toxic sensors	Hundreds of configurations
Displays in 5 languages	Powerful long-life pump up to 125' range	Low flow pump shut off and alarm
Methane elimination for environmental use	Alkaline 18 hours or Ni-MH 20 hours capability	Password protection
Datalogging standard	IrDA communications port	Autocalibration/ single gas calibration
Internal hydrophobic dust filter	Intrinsically safe design, CSA approval	External probe with hydrophobic filter

Cat. No.	Description	Price
726-110-05-P2	6 Gas - LEL/%vol CH4/O2, CO, H2S, PID	\$4,595.00
725-101-P2	5 Gas - LEL/%vol CH4/O2/H2S/CO	3,995.00

RENTAL RATES
95 / 285 / 855
DAY WEEK MONTH
Also a Certified Repair Facility

*Prices subject to change without notice

Single Gas Detection Presenting! The ToxiRAE Pro Family

ToxiRAE Pro **PID**



- Cutting-edge PID with 0.1 to 2,000 ppm range, 0.1 ppm resolution and 190 built-in correction factors

ToxiRAE Pro **LEL**



- World's first wireless personal combustible gas monitor
- Wireless elevates worker protection to the next level
- Fully-automated bump testing and calibration with AutoRAE 2

Personal Wireless Monitors for VOCs, LEL and Toxic Gas & O₂

ToxiRAE Pro



Toxic Gas & Oxygen

- Measures Oxygen in ppm
- Over twenty intelligent interchangeable sensor options to cover a wide variety of gases

The ToxiRAE Pro PID is the world's smallest wireless volatile organic compounds (VOC) monitor 1,2. The ToxiRAE Pro PID takes worker protection to the next level by providing safety professionals wireless access to real-time instrument readings and alarm status from any location for better visibility and faster response. Featuring RAE Systems' next-generation PID sensor, the ToxiRAE Pro PID can promptly detect and accurately monitor over 300 VOCs. With an onboard library of 190 correction factors, the ToxiRAE Pro PID can be programmed to automatically read in concentrations of the specified compound.

ToxiRAE Pro PID Comes With:

- ToxiRAE Pro PID monitor with sensor as specified, alligator clip, protective rubber boot, and rechargeable battery installed
- Charging and PC communication cradle
- PC communication cable
- AC adapter (100 to 240 V, 50/60 Hz AC to 12 V DC)
- Calibration adapter
- Combined instrument/sensor cap removal tool
- Quick Start Guide and CD with documentation
- ProRAE Studio II software for PC-based instrument configuration and data management

The ToxiRAE Pro LEL is the world's first wireless personal combustible gas monitor. The ToxiRAE Pro LEL takes worker protection to the next level by providing safety professionals wireless access to real-time instrument readings and alarm status from any location for better visibility and faster response. The ToxiRAE Pro LEL promptly detects and accurately monitors explosives and combustibles in concentrations from 0 to 100% of the lower explosive limit (LEL). With an onboard library of 34 correction factors, the ToxiRAE Pro LEL can be programmed to automatically read in % LEL of the specified compound.

ToxiRAE Pro LEL Single-Pack Comes With:

- ToxiRAE Pro LEL monitor with sensor, alligator clip, protective rubber boot, and rechargeable battery installed
- Charging and PC communication cradle
- PC communication cable
- AC adapter (100 to 240 V, 50/60 Hz AC to 12 V DC)
- Calibration adapters
- Quick Start Guide and CD with documentation
- ProRAE Studio II software for PC-based instrument configuration and data management

The ToxiRAE Pro is the world's first wireless personal monitor for toxic gases and oxygen. The ToxiRAE Pro takes worker protection to the next level by providing safety professionals wireless access to real-time instrument readings and alarm status, from any location, for better visibility and faster response. The ToxiRAE Pro can detect a broad range of gases—from carbon monoxide, hydrogen sulfide and oxygen, to ammonia, chlorine, and phosgene. The ToxiRAE Pro's intelligent interchangeable sensors store calibration data, so if you need to monitor one gas one day and another gas the next, swapping the sensors in your ToxiRAE Pro is all it takes.

Sensor Specifications

Sensor	Range	Resolution
Ammonia (NH ₃)	0 to 100 ppm	1 ppm
Carbon Monoxide (CO)	0 to 500 ppm	1 ppm
Carbon Monoxide (CO), Ext. Range	0 to 2,000 ppm	10 ppm
Carbon Monoxide (CO), H ₂ -comp.	0 to 2,000 ppm	10 ppm
Chlorine (Cl ₂)	0 to 50 ppm	0.1 ppm
Chlorine Dioxide (ClO ₂)	0 to 1 ppm	0.03 ppm
Ethylene Oxide (EtO-A)	0 to 100 ppm	1 ppm
Ethylene Oxide (EtO-B)	0 to 10 ppm	0.1 ppm
Ethylene Oxide (EtO-C), Ext. Range	0 to 500 ppm	10 ppm
Hydrogen (H ₂)	0 to 1,000 ppm	2 ppm
Hydrogen Chloride (HCl)	2.0 to 15 ppm	0.2 ppm
Hydrogen Cyanide (HCN)	0 to 50 ppm	0.5 ppm
Hydrogen Fluoride (HF)	2.0 to 10 ppm	0.1 ppm
Hydrogen Sulfide (H ₂ S)	0 to 100 ppm	0.1 ppm
Hydrogen Sulfide (H ₂ S), Ext. Range	0 to 1,000 ppm	1 ppm
Methyl Mercaptan (CH ₃ -SH)	0 to 10 ppm	0.1 ppm
Nitric Oxide (NO)	0 to 250 ppm	0.5 ppm
Nitrogen Dioxide (NO ₂)	0 to 20 ppm	0.1 ppm
Oxygen (O ₂)	0 to 30% Vol.	0.1% Vol.
Phosgene (COCl ₂)	0 to 1 ppm	0.02 ppm
Phosphine (PH ₃)	0 to 20 ppm	0.1 ppm
Phosphine (PH ₃), Ext. Range2	0 to 1,000 ppm	1 ppm
Sulfur Dioxide (SO ₂)	0 to 20 ppm	0.1 ppm

Cat. No.	Description	Price
G02-B004-000	ToxiRAE Pro PID, Comp. Kit w/ Datalogging and Wireless	\$1,950.00
G02-B010-000	ToxiRAE Pro PID, Comp. Kit w/out Datalogging and Wireless	1,040.00
G02-B034-000	ToxiRAE Pro LEL, Comp. Kit w/ Datalogging and Wireless	\$ 720.000
G02-B030-000	ToxiRAE Pro LEL, Comp. Kit w/ Datalogging and w/out Wireless	520.00
G02-BE14-100	ToxiRAE Pro OXYGEN, Kit w/ Datalogging & Wireless	\$ 620.00
G02-BE10-110	ToxiRAE Pro OXYGEN, Kit w/ Datalogging & w/out Wireless	420.00
G02-B214-100	ToxiRAE Pro CO, Kit w/ Datalogging & Wireless	620.00
G02-B210-110	ToxiRAE Pro CO, Kit w/ Datalogging & w/out Wireless	420.00
G02-B114-100	ToxiRAE Pro H ₂ S, Kit w/ Datalogging & Wireless	620.00
G02-B110-110	ToxiRAE Pro H ₂ S, Kit w/ Datalogging & w/out Wireless	420.00
G02-B314-100	ToxiRAE Pro SO ₂ , Kit w/ Datalogging & Wireless	720.00
G02-B310-110	ToxiRAE Pro SO ₂ , Kit w/ Datalogging & w/out Wireless	520.00

Note: To add wireless option to change out later add \$100 to any sensor

Gas Detection Pumps & Tubes

Colorimetric Tubes & Hand Pump On-the-Spot Measurements of Many Gases and Vapors

RAE Systems' large selection of Colorimetric Tubes, used with the RAE Systems Hand Pump, offers quick, on-the-spot measurements of many gases and vapors at low cost. The tubes are easy to read with a sharp, clear color change, and provide accuracy with no need for calibration.

Tubes

- Batch calibration assures a high degree of accuracy
- Calibration is clearly marked on each tube
- Most tubes packaged in a handy box of 10
- More than 65 types and concentration ranges

Hand Pump

- Solid metal construction with RAE Systems' exclusive lifetime warranty
- Springless piston design for accurate 50 cc and 100 cc volumes
- Tube Tip breaker and glass tip holder
- Clear end-of-flow indicator
- Tapered inlet avoids leaks



Cat. No.	Description	Price
RAE-010-0001-000	RAE LP-1200 Hand Pump Kit	\$200.00
RAE-010-0901-000	RAE LP-1200 Hand Pump	185.00

Type	Cat. No.	Standard Range half or single stroke	Extended Range varied number of stroke	List Price 10 tubes/box
Acetone	RAE-10-111-40	0.1 – 2 %	0.05–4%	\$ 36.00
Amines	RAE-10-132-10	0.5 – 10 ppmv	0.25 – 20 ppmv	36.00
Ammonia	RAE-10-100-05	1 – 30 ppmv	0.5 – 60 ppmv	36.00
	RAE-10-100-10	5 – 100 ppmv	2.5 – 200 ppmv	36.00
	RAE-10-100-12	10 – 260 ppmv	5 – 520 ppmv	36.00
	RAE-10-100-15	25 – 500 ppmv	12 – 1,000 ppmv	36.00
	RAE-10-100-40	1 – 15%	0.5–30%	36.00
Benzene	RAE-10-101-01	0.5 – 10 ppmv selective	0.25 – 30 ppmv	36.00
	RAE-10-101-05	0.5 – 40 ppmv selective	0.25 – 200 ppmv	36.00
	RAE-10-101-20	5 – 100 ppmv	2.5–200ppmv	36.00
Butane	RAE-10-137-30	25 – 1,400 ppmv selective	12.5 – 2,800 ppmv	36.00
Carbon Dioxide	RAE-10-104-30	300 – 5,000 ppmv	150 – 10,000 ppmv	36.00
	RAE-10-104-40	0.05–1 %	0.025–2%	36.00
	RAE-10-104-45	0.25–3%	0.12–6%	36.00
	RAE-10-104-50	1 – 20 %	0.25–20 %	36.00
	RAE-10-104-60	5 – 40 %	1.25–40 %	36.00
Carbon Monoxide	RAE-10-102-18	5 – 100 ppmv selective	2.5 – 200 ppmv	36.00
	RAE-10-102-20	5 – 100 ppmv	2.5 – 200 ppmv	36.00
	RAE-10-102-30	20 – 500 ppmv	10 – 1,000 ppmv	36.00
	RAE-10-10245	0.2 – 4%	0.05–4%	36.00
Chlorine	RAE-10-106-10	0.5 – 8 ppmv	0.25 – 16 ppmv	36.00
	RAE-10-106-20	5 – 100 ppmv	2.5 – 200 ppmv	36.00
Chlorine Dioxide	RAE-10-130-10	0.25 – 15 ppmv	0.05– 30 ppmv	36.00
Diesel & Jet Fuel	RAE-10-143-10	0.5 – 25 ppmv	N/A	36.00
Ethanol	RAE-10-141-30	100 – 2,000 ppmv	50 – 2,000 ppmv	36.00
Formaldehyde	RAE-10-108-05	0.1 – 5 ppmv	0.1–40 ppmv	36.00
Gasoline	RAE-10-138-30	30 – 1,000 ppmv	15 – 2,000 ppmv	36.00
Hydrocarbons	RAE-10-110-30	50 – 1,000 ppmv	25 – 2,000 ppmv	36.00
Hydrogen Chloride	RAE-10-108-10	1 – 20 ppmv	0.5–40 ppmv	36.00
	RAE-10-108-10	1 – 20 ppmv w/desiccant	0.5–40 ppmv	36.00
	RAE-10-108-20	20 – 500 ppmv	N/A	36.00
Hydrogen Cyanide	RAE-10-126-10	2.5 – 60 ppmv	1.25–120 ppmv	36.00
Hydrogen Fluoride	RAE-10-105-10-17	0.5 – 20 ppmv	0.25–40 ppmv	36.00

Type	Cat. No.	Standard Range half or single stroke	Extended Range varied number of stroke	List Price 10 tubes/box
Hydrogen Sulfide	RAE-10-103-05	0.2 – 3 ppmv w/desiccant	0.1 – 6 ppmv	\$ 36.00
	RAE-10-103-05	0.2 – 3 ppmv	0.1 – 6 ppmv	36.00
	RAE-10-103-06	1 – 7 ppmv	0.5 – 6 ppmv	36.00
	RAE-10-103-10	2.5 – 60 ppmv	1.25– 120 ppmv	36.00
	RAE-10-103-15	10 – 120 ppmv	5–240 ppmv	36.00
	RAE-10-103-18	25 – 250 ppmv	12.5 – 500 ppmv	36.00
	RAE-10-103-20	50 – 800 ppmv	25 – 1,600 ppmv	36.00
	RAE-10-103-30	100 – 2,000 ppmv	50 – 4,000 ppmv	36.00
	RAE-10-103-40	0.1 – 2 %	0.05– 4 %	36.00
	RAE-10-103-50	2 – 40 %	0.5 – 40 %	36.00
MEK	RAE-10-113-20	0.02 – 0.6%	0.01–1.8%	36.00
Mercaptans	RAE-10-129-20	5 – 120 ppmv	2.5 – 240 ppmv	36.00
Methyl Bromide	RAE-10-131-10	1 – 18 ppmv	0.5 – 36 ppmv	36.00
Nitrogen Dioxide	RAE-10-117-10	0.5 – 30 ppmv	N/A	36.00
Nitrogen Oxides	RAE-10-109-20	1 – 50 ppmv	0.5 – 100 ppmv	36.00
Ozone	RAE-10-133-03	0.05 – 0.6 ppmv	0.15 – 1.8 ppmv	36.00
Phenol	RAE-10-139-05	1 – 25 ppmv	0.5 – 180 ppmv	36.00
	RAE-10-116-10-7	5 – 50 ppmv	2.5 – 100 ppmv	36.00
Phosphine	RAE-10-116-20	25 – 500 ppmv	12.5 – 1,000 ppmv	36.00
	RAE-10-116-25	50–1,000 ppmv	25–2,000 ppmv	36.00
	RAE-10-107-15	2 – 30 ppmv	1 – 60 ppmv	36.00
Sulfur Dioxide	RAE-10-107-20	5 – 100 ppmv	2.5 – 200 ppmv	36.00
	RAE-10-107-25	100 – 1,800 ppmv	50 – 3,600 ppmv	36.00
	RAE-10-107-30	200 – 4,000 ppmv	50 – 4,000 ppmv	36.00
	RAE-10-107-40	0.2 – 5%	0.1 – 10 %	36.00
	RAE-10-114-20-122	10 – 300 ppmv	5 – 600 ppmv	36.00
Toluene	RAE-10-119-20	5 – 100 ppmv	2.5 – 230 ppmv	36.00
Trichloroethylene	RAE-10-128-10	1 – 20 ppmv	0.5 – 40 ppmv	36.00
Vinyl Chloride	RAE-10-120-10	2-10 lbs/MMCF (0.03-0.16 mg/L)	1 – 20 lbs/MMCF	36.00
	RAE-10-120-20	6-40 lbs/MMCF (0.1-0.64 mg/L)	3 – 80 lbs/MMCF	36.00
	RAE-10-120-30	0.05 – 1 mg/L	0.025 – 2 mg/L	36.00
	RAE-10-120-40	1 – 18 mg/L	0.5 – 32 mg/L	36.00
Xylene	RAE-10-112-20-123	10 – 200 ppmv	5 – 400 ppmv	36.00

* These boxes contain 5 colorimetric tubes and 5 pre-tubes, with 1 connector, for a total of 5 measurements.

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



CEL-350 dBadge Dosimeter



The CEL-350 dBadge micro noise dosimeter

The CEL-350 is a completely new interpretation of the classic noise dosimeter. It has all the advantages of earlier badge designs, such as small size and light weight, and yet it still provides all of the benefits that users have come to expect from a traditional noise dosimeter. Fully featured and able to satisfy all current noise at work measurement protocols during a single run, the CEL-350 will be an ideal instrument for experienced and new users of dosimeters in the workplace. No setup to worry about since the unit stores all results for later investigation and reporting however required.

The dosimeter calculates and displays the % noise dose plus the Lavg & TWA for the run. The CEL-350 will be an ideal unit for industrial hygienists or company safety officers charged with monitoring the noise exposure of workers, particularly in situations where a conventional noise dosimeter with a remote cable microphone might not be the most convenient method.

Key Benefits

- Lightweight less than 2.4 oz
- Small size only 2.8 in long and 1.7 in wide and 2.0 in tall
- Quick battery recharge in less than 90 minutes from completely empty
- Stores everything for later review
- Calculates all the popular noise dose parameters
- Time history profiling of 4 results at fixed 1 m intervals
- Wide dynamic range from 65 to a full 140 dB
- Measures simultaneously 3 dB and 5 dB exchange rates
- Lockable for security
- Direct automatic calibration with standard acoustic calibrator with 1/2" cavity

Applications

The CEL-350 dBadge micro noise dosimeter is designed to satisfy all current workplace noise protocol methods for the collection of personal noise data. Careful attention to the requirements of both US and European noise dosimetry methodologies provides for the simultaneous storage of the noise levels in such a way that the dose values can be obtained

Standard Instrument Kits

Cat. No.	Description	Price
CEL-350/K1	dBadge Micro Noise Dosimeter 1 pack kit	\$2,750.00
CEL-350/K3	dBadge Micro Noise Dosimeter 3 pack kit	4,850.00
CEL-350/K5	dBadge Micro Noise Dosimeter 5 pack kit	6,900.00

All standard dBadge kits are provided with a charger and slave charger(s) to suit the number of dBadges selected, plus infrared interface to USB adapter, Insight database software for single user, 110/240Vac to 12Vdc universal power supply, acoustic calibrator, pin and alligator clips and a carrying case to fit up to 12 dBadges and accessories. These dosimeters are not approved for use in hazardous areas (see part number CEL-350IS/Kits as suitable alternative.).

Intrinsically Safe Instrument Kits

Cat. No.	Description	Price
CEL-350IS/K1	dBadge Micro Noise Dosimeter 1 pack kit	\$2,995.00
CEL-350IS/K3	dBadge Micro Noise Dosimeter 3 pack kit	5,395.00
CEL-350IS/K5	dBadge Micro Noise Dosimeter 5 pack kit	7,745.00

All standard dBadge IS kits are provided with a charger and slave charger(s) to suit the number of dBadges selected, plus infrared interface to USB adapter, Insight database software for single user, 110/240Vac to 12Vdc universal power supply, acoustic calibrator, pin and alligator clips and a carrying case to fit up to 12 dBadges and accessories.

TECH TIP

At the time of this writing, Casella plans to introduce an upgraded dBadge 2. Call for more information.



CEL-6362 (or 6363) drop in charger for dBadge system – completely recharges up to 3 units in under 90 minn

Particulate Monitor / Accessories

Microdust Pro

The Microdust Pro is a rugged, hand-held, data-logging meter for the real-time detection of airborne dusts, fumes and aerosols.

It has a large LCD display and a unique graphical facility, allowing the user to instantly view the dust level and trends. It is ideal for walkthrough surveys of ambient and indoor workplace environments. A quick, easy to use instrument, giving the user additional qualitative data which cannot be gained by gravimetric air sampling methods alone.

This extremely versatile instrument can also be used with a range of accessories for static and size selective sampling applications.

Cat. No.	Description	Price
CEL-712/KI	Microdust Pro real-time aerosol monitor kit inc. all std. accessories and attaché case	\$4,495.00

The Microdust Pro kit is supplied with instrument and probe, cleaning bellows, optical calibration filter, serial download cable, Plugin registration code for Insight software, 4 rechargeable batteries, battery charger and mains power supply suitable for 110 and 240 V worldwide use, supplied in a portable attaché case. Please note that the Microdust Pro is not classified as an intrinsically safe instrument, so is not recommended for use in hazardous areas.

Key Features

- Unique real-time graphical display
- Extensive range from 0.001 to 2500 mg/m³
- Removable sampling probe
- Rugged design for harsh environments
- Multi language operation
- Sampling for Respirable, PM2.5 & PM10
- Field calibration check
- Rechargeable or dry cell operation

Applications

- Construction / demolition sites
- Boundary monitoring
- Occupational health surveys
- Process monitoring
- Filter efficiency testing
- Walk-through workplace surveys
- Pharmaceutical manufacturing & testing
- Spray booths / powder coating



Calibration Equipment

For assurance of dependable monitoring, all portable gas detection instruments should be tested on a regular basis. These non-returnable lightweight cylinders are easy to handle and use very little space. For concentrations not listed, please call for price and availability.

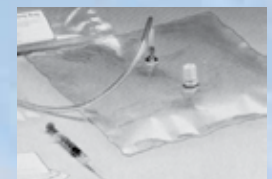
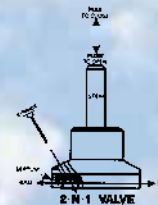
Calibration Gases	Cat. No.	Cylinder Capacity		
		17 Liter	34 Liter	103 Liter
Isobutylene in Air 100 ppm	IM-I100-+	\$ 42.00	\$ 52.00	\$135.00
Isobutylene in Air 250 ppm	IM-I250-*	42.00	52.00	135.00
Hexane in Air 100 ppm	IM-H100-*	42.00	52.00	135.00
Hexane in Air 4000 ppm (40% LEL)	IM-H40-*	42.00	52.00	135.00
4 Gas Mix (H ₂ S, CO, CH ₄ , O ₂ balance Nit.	IM-58L-*	251.00	—	—
Zero Air	IM-ZA-*	42.00	52.00	109.00
Regulators	Cat. No.	For Cylinder Size		
		17 Liter	34 Liter	103 Liter
Regulator, fixed flow for all cylinders	IM-RFF-*	\$125.00	\$125.00	\$125.00
Dispensing Valve for 17 Liter Cylinder	IM-DU-17	28.00	—	—
Tedlar Bags (SKC Brand)	Cat. No.	1 Liter	3 Liter	5 Liter
With Polypropylene Fittings	SKC-232-+	\$12.75/ea	\$12.90/ea	\$14.20/ea



Tedlar® Gas Sampling Bags

- Low permeability — No sample loss
- Won't react chemically with sample
- Won't contaminate or absorb sample

Description	Price
1 L. Tedlar Bag	\$ 14.00
Box of 10	140.00



*Prices subject to change without notice

Remediation Products

Improved Variable Frequency Drive (VFD) Control Unit



Redi-Flo2

Redi-Flo4™
Call for pricing and information for this product.

Grundfos Variable Performance Pumps

Enviro-Tech distributes the Grundfos line of electric submersible pumps. The Redi-Flo2 is a small and powerful state-of-the-art pump designed for long term reliability in dedicated monitoring wells. The Redi-Flo2 has an ID of 1.8" and is constructed of stainless steel and Teflon.

Cat. No.	Redi-Flo2 Products & Accessories	Price
INW-1A107001	Redi-Flo2 VFD w/Case 115V/230V	\$2,200.00
INW-1A107002	Redi-Flo2 VFD w/o Case	1,985.00
INW-1A107103	Pump with 50' Motor Lead	2,100.00
INW-1A107303	Pump with 100' Motor Lead	2,190.00
INW-1A107503	Pump with 150' Motor Lead	2,430.00
INW-1A107703	Pump with 200' Motor Lead	2,670.00
INW-1A107803	Pump with 250' Motor Lead	2,910.00
INW-1A107903	Pump with 300' Motor Lead	3,150.00
INW-1A00138	Stainless Steel Support Cable	1.73/ft
INW-1A00111	1/2" ID Reinforced PVC Hose	2.53/ft
INW-125061	Pump End Service Kit	303.00
INW-001A019	Safety Cable Bracket	29.55
INW-3P175	Redi-Flo2 Cooling Shroud	235.75
INW-3P140	1/2" Stainless Steel Discharge Fitting	96.60

Call for pricing on accessories, spare parts, custom lead lengths or service tools.

GeoSorb Selective Product Recovery

The GeoSorb is designed to recover hydrocarbons from 2" or 4" and larger wells. The GeoSorb System consists of a stainless steel screened cage assembly and a product selective absorbent. The system is lowered down the well where it passively absorbs free product.

Cat. No.	Description	Price
GEO-GS2	2" GeoSorb Kit, Screen and 12 Liners	\$263.00
GEO-GS4	4" GeoSorb Kit, Screen and 12 Liners	286.00
GEO-SC2	2" Screen Only	179.00
GEO-SC4	4" Screen Only	215.00
GEO-SK2	2" Sock Liners Only, 12/cs.	116.00
GEO-SK4	4" Sock Liners Only, 12/cs.	132.00

Specifications

2" GeoSorb
 Screen Material #304 SS, perforated
 Screen Mesh Hole Size 5/32" dia. x 3/16" stg. ctrs.
 Available Screen Length 36.0" (91.4cm)
 Screen Outside Diameter 1.750" (44.5mm)
 Overall Assy. Length 37-1/8" (94.3cm)
 Weight w/Ballast 1.73 lbs. (.78 kg)
 Min. Well Inside Diameter 2" (51mm)
 Absorbent Sock Diameter 1.5" (38.1mm)
 Absorbent Sock Length 36" (91.4cm)
 Absorbent Sock Material Polypropylene filler
 Rated Absorption 2.16 gal. (8.2 L) per case of 12
 .72 qt. (.68L) per sock

4" GeoSorb
 Screen Material #304 SS, perforated
 Screen Mesh Hole Size 5/32" dia. x 3/16" stg. ctrs.
 Available Screen Length 36.0" (91.4cm)
 Screen Outside Diameter 3.670" (93.2mm)
 Overall Assy. Length 36-5/8" (93.0cm)
 Weight w/Ballast 5.19 lbs. (2.35 kg)
 Min. Well Inside Diameter 4" (102mm)
 Absorbent Sock Diameter 3.0" (76.2mm)
 Absorbent Sock Length 36" (91.4cm)
 Absorbent Sock Material Polypropylene filler
 Rated Absorption 8.52 gal. (32.3L) per case of 12
 2.8 qt. (2.65L) per sock



Passive Skimmers

Keck PRC Skimmers

The Keck PRC is a passive skimmer with a floating intake that separates and recovers light hydrocarbons from groundwater. The Keck PRC collects floating product down to a sheen then emptied through a discharge valve at the bottom of the canister, after being raised to the surface.

- Oleophilic / Hydrophobic filter buoy recovers product without taking in water
- Quick fill time – about 15 minutes with ample product
- Protected easy release drain valve
- Able to convert to active recovery systems



4" Keck PRC Passive Skimmer

Keck PRC Specifications

PRC 2"

Size	Dimensions
.25 liter	49.0"L (149cm) x 1.75"OD (4.4cm)
.5 liter	59.5"L (151cm) x 1.75"OD (4.4cm)
1 liter	82.5"L (210cm) x 1.75"OD (4.4cm)

Weight	Capacity
.25 liter 3.1 lbs (1.4kg) empty, 3.5 lbs (1.6kg) full	.25 liter .07gal
.5 liter 3.5 lbs (1.6kg) empty, 4.3 lbs (2.0kg) full	.5 liter 0.13gal
1 liter 5.2 lbs (2.4kg) empty, 6.7 lbs (3.0kg) full	1 liter 0.26 gal

Capacity	Minimum water required
.25 liter	29.0" (74cm)
.5 liter	39.5" (100cm)
1 liter	62.0" (157cm)

Materials
Stainless steel, brass, and engineered plastics

PRC4"

Size	Dimensions
1 liter	37.0"L (94cm) x 3.5"OD (9cm)
3 liter	53.0"L (135cm) x 3.5"OD (9cm)
4 liter	60.0"L (152cm) x 3.5"OD (9cm)

Weight	Capacity
1 liter 8 lbs (3.7kg) empty, 9.5 lbs (4.3kg) full	1 liter .26 gal
3 liter 15 lbs (6.8kg) empty, 19 lbs (8.6kg) full	3 liter .8 gal
4 liter 16 lbs (8.2kg) empty, 25.5 lbs (11.6kg) full	4 liter 1.06 gal

Capacity	Minimum water required
1 liter	18.5" (47cm)
3 liter	35.0" (89cm)
4 liter	43.0" (109cm)

Materials
Stainless steel, brass, and engineered plastics



2" Keck PRC Skimmer

Cat. No.	Product	Price
KECK PRC - Passive Recovery Canisters		
86650307	PRC (2") - .125L Capacity	\$525.00 ea
86650303	PRC (2") - .25 L Capacity	525.00 ea
86650304	PRC (2") - .5 L Capacity	615.00 ea
86650301	PRC (2") - 1 L Capacity	704.00 ea
86650302	PRC (4") - 1 L Capacity	641.00 ea
86650305	PRC (4") - 3 L Capacity	730.00 ea
86650306	PRC (4") - 4 L Capacity	820.00 ea
56650309	Assy, Bouy, 2' SKIMMER	310.00 ea
56650310	Assy, Bouy, 4" SKIMMER	310.00 ea
56650305	Assy, Suspension, PRC	53.00 ea
56650308	Assy, Sleeve Drain w/o-Rings	37.00 ea
26650304	Hose, Coiled, PRC 2"	50.00 ea
16650312	Hose, Coiled, PRC 4"	50.00 ea
16650327	Clamp, SS6, Cable, Low PRFL	12.00 ea
Well Caps & Hangers		
17150017	Cap, Expandable, Locking, 1"	18.46 ea
17150001	Cap, Expandable, Locking, 2"	27.00 ea
17150002	Cap, Expandable, Locking, 4"	39.00 ea
17150003	Cap, Expandable, Locking, 6"	70.00 ea
17150004	Cable, Hanger, Slip-on, SS4	7.00 ea
11400001	Quick Link, 1/8", SS, Cable Link	12.00 ea

SoakEase™

SoakEase™ is a product selective absorbent sock inside a stainless steel canister. It is used as a passive collection system for free phase product from 2 in. and larger wells and recovery trenches.

Description

SoakEase™ is 3 ft. long and is available in two sizes:

- Nominal 2 in. OD, will absorb 1 qt of product.
- Nominal 4 in. OD, will absorb 3 qt of product.

To use SoakEase™ as a bailer, place an absorbent sock in the stainless steel canister and attach a cord to the support loop. Lower it through the

product layer, the full length of the sock should be in contact with the product. Immediately, SoakEase™ will begin absorbing product at a rate of about 0.1 gal (0.38 L) per second.

To use the SoakEase™ as a dedicated system, first determine the amount of product present using an oil/water interface indicator as well as the water table fluctuation. When determined, the SoakEase™ may be installed to accommodate level changes of up to 36 in.

The product absorption rate is determined by the viscosity of the product and site conditions. The SoakEase™ is designed to be used with hydrocarbon-based products. The socks can be squeezed out and reused.



SoakEase™, Models TB2-100 & TB4-100

Cat. No.	Description	Ship Wt.	Price
DUR-TB2-100	2 in. SoakEase™ Kit, contains: (1) 2 in. canister w/Absorbent Tube (15) Refill Absorbent Tubes	7 lb	\$ 279.00
DUR-TB2-110	2 in. SoakEase™ Refill Case, contains:(12) Refill Absorbent Tubes	4 lb	142.00
DUR-TB4-100	4 in. SoakEase™ Kit, contains: (1) 4 in. canister w/Absorbent Tube (4) Refill Absorbent Tubes	8 lb	341.00
DUR-TB4-110	4 in. SoakEase™ Refill Case, contains: (12) Refill Absorbent Tubes	7 lb	150.00
DUR-TB2-101	2 in. Canister Only	1 lb	170.00
DUR-TB4-101	4 in. Canister Only	2 lb	216.00

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Enviro-Tech Services offers a full-line of health and safety accessories. We carry much more than what you see here. Call us for your health and safety needs!



Health and Safety Supplies	62-70
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Tyvek® Disposable Clothing (25/case)



- Tyvek coverall
- Zipper front
- 25/case

Cat. No.	Size	Price
50001	S	\$ NA
50002	M	159.00
50003	L	159.00
50004	XL	159.00
50005	2XL	169.00
50006	3XL	179.00
50000	4XL	193.00

- Tyvek coverall
- Zipper front
- Elastic W/A

Cat. No.	Size	Price
50060	S	\$ NA
50061	M	180.00
50062	L	180.00
50063	XL	180.00
50064	2XL	191.00
50065	3XL	202.00
50066	4XL	218.00

- Tyvek coverall
- Zipper front
- Attached hood
- Elastic W/A

Cat. No.	Size	Price
50100	S	\$ NA
50101	M	193.00
50102	L	193.00
50103	XL	193.00
50104	2XL	204.00
50105	3XL	216.00
50106	4XL	234.00
50107	5XL	252.00



Respiratory Protection by **NORTH**



5400 Series Respirator

Features

- State-of-the-art design and materials
- Extended side flanges provide best possible seal during talking or other facial motions
- Contoured sealing flange
- Silicone face piece material
- Cradle suspension system
- Low dead-air space improves worker comfort by limiting "re-breathing" of exhaled air

Cat. No.	Description	Size	Price
S011-19-025-040A	5400 Series Full Facepiece	S, M, L	\$152.00
Cat. No.	Standard and P-100 Cartridges	Units	Price
1	S011-19-003-263D Organic Vapor/P100	2 Units	26.00
2	S011-19-003-263F Acid Gas/P100	2 Units	26.50
3	S011-19-003-263H Organic Vapor/Acid Gas/P100	2 Units	26.00
4	S011-19-003-263J Ammonia/Methylamine/P100	2 Units	27.80
5	S011-17-622-18B Mercury Vapor/Chlorine/P100	2 Units	53.71
6	S011-19-003-298B Organic Vapor Cartridge	2 Units	23.00
7	S011-19-003-299B Acid Gas Cartridge	2 Units	24.00
8	S011-19-003-300B Organic Vapor/Acid Gas Cartridge	2 Units	29.00
9	S011-19-003-301B Ammonia/Methylamine Cartridge	2 Units	51.00

We also carry
MSA
The Safety Company
products



Hearing Protection

1



Soft Yellow Disposable Earplugs

Smooth, tapered, self-adjusting foam provides low-pressure comfort with excellent attenuation. Soft foam is dermatologically safe and nonirritating to the skin.

Moldex Rocket Reusable Earplugs

Rockets Reusable Earplugs feature an easy-grip handle for smooth insertion, and an air bubble in the tip for cushioned comfort. The soft flanges provide a superior seal and fit most ear canals. Rockets earplugs are extremely flexible.

2



3



4



5



6



Cat. No.	Description	Unit	Price
FS11-19-041-207	Yellow Neons, Uncorded, Regular	200 pr/pack	\$50.00
FS11-19-041-208	Yellow Neons, Uncorded, Large	200 pr/pack	50.00
FS11-19-041-203	Yellow Neons, Corded, Regular	200 pr/pack	53.00
FS11-19-041-204	Yellow Neons, Corded, Large	200 pr/pack	53.00
FS11-19-037-497	Rockets, Uncorded	50 pr/pack	69.00
FS11-19-037-498	Rockets, Corded	50 pr/pack	95.00

Moldex Meteors Disposable Earplugs

- 100% PVC-Free®.
- Soft, slow recovery foam and contoured shape molds easily to the ear canal for all day comfort.

Cat. No.	Description	NRR	Unit	Price
MOL6630	Meteors, Small, Uncorded	28	200 pr/bx	\$40.00
MOL6632	Meteors, Small, Corded	28	100 pr/bx	38.00
MOL6870	Meteors, Uncorded	33	200 pr/bx	41.00
MOL6970	Meteors, Corded	33	100 pr/bx	38.00

Howard Leight Max® Single-Use Earplugs

- New enhanced contoured shape is easier to insert and resists backing out of the ear canal, while its softer polyurethane foam delivers superior long-wearing comfort.

Cat. No.	Description	NRR	Unit	Price
HLIMAX-1	Max® Uncorded	33	200 pr/bx	\$40.00
HLIMAX-30	Max® Corded	33	100 pr/bx	36.00

3M E-A-R E-Z Fit Earplugs

- Specifically designed to provide extra comfort and optimum protection in smaller ear canals.
- The soft foam and bell shape allow for easy insertion and a comfortable fit.

Cat. No.	Description	NRR	Unit	Price
CAS312-1208	E-A-R™ E-Z Fit™ Uncorded	28	200 pr/bx	\$40.00
CAS312-1222	E-A-R™ E-Z Fit™ Corded	28	200 pr/bx	68.00

3M E-A-R TaperFit 2 Earplugs

- Available in two sizes, regular and large.
- Tapered shape makes insertion and removal easy, and soft foam creates a comfortable fit.

Cat. No.	Description	NRR	Unit	Price
CAS312-1219	E-A-R™ TaperFit™ 2 Uncorded, Regular Size	32	200 pr/bx	\$38.00
CAS312-1223	E-A-R™ TaperFit™ 2 Corded, Regular Size	32	200 pr/bx	64.00
CAS312-1221	E-A-R™ TaperFit™ 2 Uncorded, Large Size	32	200 pr/bx	38.00
CAS312-1224	E-A-R™ TaperFit™ 2 Corded, Large Size	32	200 pr/bx	64.00

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Head Protection



Bullard classic hard hats provide the highest value in comfort and appearance for the user. The classic style's wide profile, and brim, with its 6-point dihedral suspension system, provide more protection from the sun and comfort for outdoor workers. This design also enhances ventilation around the wearer's head.

Features

Model 302 – is a tough polyethylene cap that is one of the lightest caps on the market.

Model 303 – has a full, wide brim (pith style) which offers added protection from sun, glare, splash, and rain.

Model 302 RT – is designed with a rain-through on the brim to channel away rain, snow and condensation.

Cat. No.	Description	Price
BRE-302	Bullard Model 302	\$19.44
BRE-303	Bullard Model 303	21.10
BRE-302-RT	Bullard Model 302 RT	21.10

Eye Protection: 2 Popular Brands

1 We offer the Uvex Astrospec 3000 Safety Glasses.

Features

- Single panoramic lens, 100% polycarbonate
- Adjustable lens, temple length
- Universal nosebridge
- Absorbs 99.9% of UV light
- One size fits all
- Extremely lightweight

Cat. No.	Description	Price
UVEX-129C	Astrospec 3000 w/ clear lens	\$12.50
UVEX-130	Astrospec 3000 w/ gray lens	12.50
UVEX-137	Astrospec 3000 w/ mirrored lens	12.50



Astrospec 3000

2 Contempo Safety Eyewear

Spectacular eye protection in a sleek, sporty design with new Fisherbrand Contempo Safety Eyewear. Its wraparound frame includes a molded-in browguard and sideshields for protection against airborne particles.

Cat. No.	Frame/Color	Lens/Coating	Price		
			1	10	100+
FS11-19-041-733	Black Frame	Clear, Anti-Fog Lens	\$10.20	\$9.48	\$9.00
FS11-19-041-734	Black Frame	Tinted, Anti-Fog Lens	10.20	9.48	9.00
FS11-19-041-735	Blue Frame	Clear, Anti-Fog Lens	10.20	9.48	9.00
FS11-19-041-737	Blue Frame	Tinted, Anti-Fog Lens	10.20	9.48	9.00



Contempo

Gloves



Nitri-Flex Ultimate Gloves

- Breathable seamless stretch DuPont Kevlar-Lycra cut-resistant liner is ergonomically designed for maximum comfort
- Flat-dipped, green nitrile coating features a textured grip for superior handling and tactile sensitivity
- Abrasion and cut-resistant
- Made in USA
- * Sizes S, M, L, XL



Cat. No.	Sz	Description	Price
BEST-5900-*		Nitri-Flex Ultimate	\$10.50

HyFlex 11-801 Gloves

- Patented Knitted Variable Stitch Design (KVSD) provides a relaxed fit in high stress areas
- Molds naturally to the hand, helping prevent fatigue
- Black foam nitrile coating channels oil away from the glove surface for sure grip in light oil applications
- Industry-friendly color hides dirt and grime to increase time between laundry cycles



* Sizes 8, 9, 10, 11

Cat. No.	Sz	Description	Price
ANE-801-*		HyFlex 11-801	\$7.25

Ansell

HyFlex 11-920 Gloves

- Special nylon liner provides softness, comfort and breathability with an ergonomic fit
- Patent-pending Ansell Grip Technology nitrile coating repels oils and other lubricants
- Increases surface contact for enhanced grip and control with less strain
- Palm coating prevents oil penetration
- Multi-layer dipping process provides high abrasion resistance and increases wear life



* Sizes 8, 9, 10, 11

Cat. No.	Sz	Description	Price
ANE-920-*		HyFlex 11-920	\$7.25

Gloves

**Industrial Grade
Not Medical Grade
(FDA Approved)**



Sold in a box of 100 gloves, available in S, M, L, and XL.

MICROFLEX
THE MOST TRUSTED NAME IN GLOVES®



Powder-Free

Cat. No.	Grade	Material	Powdered	Thickness	Brand	1-9	10-19	20+
GLL		Latex	Lightly Powdered	6.5 mil	PowerGrip	\$ 12.50	\$11.50	\$ 9.90
GLND	Industrial	Nitrile	Lightly Powdered	7.1 mil	Nitron One	14.00	13.50	12.00
GLND-PF		Nitrile	Powder-Free	6.8 mil	Supreno	19.00	18.50	17.50



MicroFlex Blue Nitrile Gloves

MicroFlex Blue Nitrile Gloves. Advancing now as the most popular field gloves. Constructed of synthetic rubber (nitrile). Excellent chemical resistance. Industrial grade.

Cat. No.	Description	Price
MIC-S-XL	Nitrile Glove 50 pr/box XL	\$16.00
MIC-S-L	Nitrile Glove 50 pr/box L	16.00
MIC-S-M	Nitrile Glove 50 pr/box M	16.00
MIC-S-S	Nitrile Glove 50 pr/box S	16.00



Heavyweight Nitrile Gloves

Sol-Vex Nitrile gloves offer the same chemical resistance as the disposable nitrile gloves, but with a greater resistance to punctures, cuts, snags and abrasions due to its thicker construction (15 mil). The curved fingers, contoured palm, embossed grip and 13" length provide an excellent fit.

Cat. No.	Description	Price
ANS-37-145-11	Sol-Vex Nitrile Glove 12 pr/box #11	\$28.50
ANS-37-145-10	Sol-Vex Nitrile Glove 12 pr/box #10	28.50
ANS-37-145-9	Sol-Vex Nitrile Glove 12 pr/box #9	28.50
ANS-37-145-8	Sol-Vex Nitrile Glove 12 pr/box #8	28.50



Nitrile Disposable Gloves

Sempermed disposable nitrile gloves are constructed of a synthetic rubber (nitrile) that provides excellent resistance to a wide range of hazardous chemicals (oils, greases, acids, caustics and many petroleum products) as well as punctures, cuts, snags and abrasions. These 4-mil, powder-free, ambidextrous gloves come in four sizes (S, M, L, XL) for a comfortable fit.

Cat. No.	Description	Price
SEM-PF-XL	Sempermed; Powder-Free Blue Nitrile XL	\$14.00
SEM-PF-L	Sempermed; Powder-Free Blue Nitrile L	14.00
SEM-PF-M	Sempermed; Powder-Free Blue Nitrile M	14.00
SEM-PF-S	Sempermed; Powder-Free Blue Nitrile S	14.00

Zorb-IT Black-Lite and Zorb-IT HV Gloves

- Sponge nitrile technology
- Ergo-design for maximum comfort
- Breathable, seamless knit liner
- Zorb-IT Black-Lite gloves are black LTDA sponge nitrile, flat-dipped with a black seamless nylon liner
- Zorb-IT HV gloves are sponge nitrile hi-vis orange and gray coating, deeper palm-dipped, with a seamless hi-vis fluorescent orange nylon liner
- Gloves are Sanitized
- Made in USA

* Sizes S, M, L, XL



Cat. No. Sz	Description	Price
BEST-BL- *	Zorb-IT Black-Lite	\$6.50
BEST-HV- *	Zorb-IT HV	6.50

Zorb-IT Extra Gloves

- Ergo-designed breathable nylon liner with sponge nitrile technology
- Three-quarter dip is deeper, to coat the back of the hand for improved protection
- Absorbs nearly twice as much oil and grease as other flat dipped nitrile gloves
- Sanitized with antimicrobial bacteriostat
- Launderable
- Made in USA

* Sizes S, M, L, XL



Cat. No. Sz	Description	Price
BEST-EX- *	Zorb-IT Extra	\$7.25

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Monitoring Well Plugs & Caps

Cherne Well Plug

The Cherne Locking Monitoring Well Plug is constructed of high-impact and corrosion-proof ABS plastic, with a chemical and temperature resistant urethane O-ring to provide vapor, air and water tight seal.

Features

- Distinctive monitor well warning printed on top plate
- Stainless steel bolt peened to prevent disassembly
- Die cast zinc latch assembly with chromate coating and stainless steel roll pin
- Optional solid brass lock (keyed alike)



Cat. No.	Description	Price
CHR-271-675	2" Well Plug	\$18.00
CHR-271-683	4" Well Plug	22.00
CHR-271-691	6" Well Plug	44.00

Morrison 678XA Well Plug



Morrison 678XA Well Plug

The 678XA Locking Test Well Plug was designed to be a tamper-proof, watertight cover for monitoring and observation wells. It slips into the open end of a pipe and, as the brass wing bolt is tightened, the seal expands to hold the plug in place. The "Test Well No Fill" warning is molded directly to the plastic body.

Features

- Bright orange color is easy to spot in the field
- All three sizes for Sch. 40 PVC & Sch. 5 S. S. Pipe
- Smooth sloped top is designed to shed water
- Special grade Buna seal eliminates unwanted swelling

Cat. No.	Description	Price
MOR-678XA-2	2" Well Seal	\$29.00
MOR-678XA-4	4" Well Seal	33.00
MOR-678XA-6	6" Well Seal	64.00

New "Ergo-Grip" Well Plug

The new lightweight "Ergo-Grip" is made from hard formed plastic with a seamless tight dual rubber gasket. The wing nut spins easily off and on, and the well plug can be easily disassembled in the field. The unique design enables acceptance of any lock, and also includes a tethering eyelet at the base of the plug.

Cat. No.	Description	Price
ESP-T.5	.5-inch Ergo-Grip Plug	\$15.95
ESP-T.75	.75-inch Ergo-Grip Plug	15.95
ESP-T1	1-inch Ergo-Grip Plug	15.95
ESP-T1.25	1.25-inch Ergo-Grip Plug	15.95
ESP-T1.5	1.5-inch Ergo-Grip Plug	16.00
ESP-T2	2-inch Ergo-Grip Plug	14.25
ESP-T2.5	2.5-inch Ergo-Grip Plug	17.00
ESP-T4	4-inch Ergo-Grip Plug	16.25

*3", 6" & 8" available.



2-Inch Ergo-Grip

Note: Eyelet hole for cable suspension below cap.

The EcoPlug

Crafted from recycled materials, the EcoPlug is a durable, tamper-proof well plug that will withstand repeated use over many years.

- Easily disassembled for decontamination to allow repeated use
- Chemical and temperature resistant properties
- Tethering attachment at base for a variety of instruments
- Wing nut design, with recessed grip, allows easy manipulation



Available in 1", 2" and 4" sizes.

Cat. No.	Description	Price
ECO-WP1	1" Well Plug	\$ 11.00
ECO-WP2	2" Well Plug	12.50
ECO-WP4	4" Well Plug	14.50

FlushLock 2" Well Locking Plugs

Made from an environmentally sustainable prime nylon, these high tech flush locking well plugs use no metals or padlocks, just a unique security key for the ultimate in well protection.



Cat. No.	Description	Price
KOB-2	2" FlushLock Well Locking Plug	\$ 8.50
KOB-KEY	2" Well Plug Security Key	10.00

Locks & Well Covers

Locks

American Weather-Built



- Solid Aluminum Body
- Double Steel Ball Locking
- Available Keyed Alike

Master Steel Lock



- Laminated Steel Body
- Precision Pin-Tumbler Mechanism
- Available Keyed Alike

Dolphin Lock



- Keyed Alike

Cat. No.	Brand	Style/Size	Price
MAS-1	Master	#1	\$11.00
MAS-3	Master	#3	10.25
AME-30	American	#30	11.20
CHR-112-941	Dolphin	#1600	5.80

Well Protection/Below Grade



Enviro-Tech carries a wide variety of flush mounted below grade well protection equipment.

The top seller is the **Morrison** well cover. This design offers water tight gaskets and a dual bolt access design, plus each clearly displays MONITORING WELL on the lid.

Cat. No.	Description	Price
	Morrison Well Covers	
MOR-418XA-88	Standard 8-inch x 8-inch skirt	\$ 65.00
MOR-418XA-812	Standard 8-inch x 12-inch skirt	71.00
MOR-418XA-1212	Standard 12-inch x 12-inch skirt	98.00

Labels

Labels

6"x6" labels are printed on vinyl stock for durability in the elements. All are sold in packs of 25.



Cat. No.	Description	Price
ET-	Vinyl Labels, 25/pk.	\$36.00



*Prices subject to change without notice

Non-Hazardous Waste Labels

These popular Non-Hazardous Waste Labels are bright green and measure 6"x6". Used primarily for Groundwater and Soil Sampling, to label purge waters or non-hazardous soils contained in 55-gallon drums.

Labels come 25 labels per pack.



Cat. No.	Description	Price
BRE-NH2L	Non-Hazardous Waste Labels	\$ 36.00

Coreboxes

- Wax Coated Cardboard Construction
- Water Resistant
- Holds up to 10-feet of Core
- Dimensions 3" x 15" x 24"



Cat. No.	Qty.	Price
ECT-CB	1	\$ 12.50 ea.
ECT-CCB	25 (case)	299.00

Internal PVC Pipe Cutters



PVC Pipe Cutter

- Installs in pipe
- Cut Depth preset
- Accurate smooth pipe at or below ground surface
- Cuts in seconds

Cat. No.	Size	Cutter	Replacement Blade
ATL-2290	2"	\$ 90.00	\$ 28.00
ATL-4290	4"	102.00	34.00

Fluid Finding Paste (Water & Gasoline)

- For use with steel tape
- Changes color on contact



Fluid Finding Paste

Cat. No.	Description	Price
FFP-WAT	Water (Tube)	\$ 12.00
FFP-PET	Gasoline/Oil & Diesel (Jar)	12.00

Sand Shaker

Our portable SS-81 sand shaker is an accurate mechanical sieve kit, designed to provide reliable grain size analysis. It features 12 stainless steel screens, ranging in size from U.S. sieve no. 8 to 60. The samples are placed into five acrylic cylinders and volumetric percentages are indicated on the shaker frame.



Keck Sand Shaker

Cat. No.	Dimensions	Price
KEC-SS-81	Sand Shaker	\$100.00
KEC-RS*	Replacement Screen	5.00

* Call for Sizes

Tape Rolls

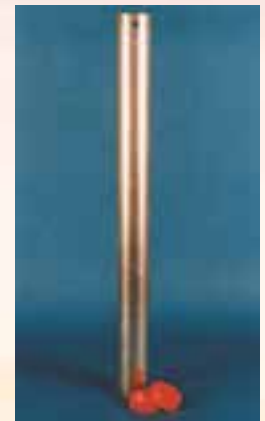
Standard rolls of Red Danger tape or Orange Caution tape.



Cat. No.	Description/Size	Price
BB-OCT	Roll Orange Caution Tape; 3-feet x 1000'	\$18.00
BB-RDT	Roll Red Danger Tape; 3-feet x 1000'	18.00

Shelby Tubes

Thin wall tube sampler for your drilling needs.



Shelby Tubes

Cat. No.	Dimensions	Price
DD-K-101	3" x 18"	\$ 17.00
DD-K-102	3" x 24"	21.00
DD-K-19G	3" x 30"	23.00
DD-K-23G	3" x 36"	31.00

— OTHER SIZES AVAILABLE —

55-Gallon Drums

- Durable Steel Construction
- Standard Two Bung-hole Lids
- DOT Approved
- Holds Drilling Fluids, Groundwater, and Sludge

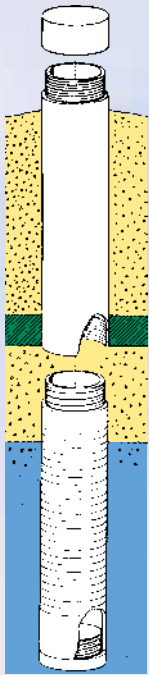


55-Gallon Drums

Cat. No.	Quantity	Price Per Drum
ET-55D	1-10	\$ 57.00
ET-55D11	11-24	55.00
ET-55D25	25+	51.00

PVC Well Casing and Screen

Price List



Flush Threaded: All casing and screen products conform to the accepted ASTM-F480 standard requirements, unless alternate specifications are requested. To ensure maximum QA/QC, each casing and screen product is individually packaged in durable moisture resistant and wax coated corrugated shipping containers. Each piece is also individually environmentally wrapped and cleaned.

Cat. No.	Dimensions	Schedule 40		Box Quantities
		Flush Thread	List Price	
MON-C225	2-inch x 2.5-foot	Casing	\$ 18.72	6
MON-C25	2 inch x 5 foot	Casing	24.28	6
MON-C210	2 inch x 10-foot	Casing	43.12	6
MON-S225	2-inch x 2.5-foot	Screen	32.20	6
MON-S25	2 inch x 5-foot	Screen	42.00	6
MON-S210	2-inch x 10-foot	Screen	50.14	6
MON-C425	4-inch x 2.5 foot	Casing	\$ 45.26	2
MON-C45	4-inch x 5-foot	Casing	61.11	2
MON-C410	4-inch x 10 foot	Casing	95.80	2
MON-S425	4-inch x 2.5-foot	Screen	63.63	2
MON-S45	4-inch x 5 foot	Screen	109.63	2
MON-S410	4-inch x 10 foot	Screen	123.28	2

- All Orders are for boxed quantities or add 15%
- U-Pak Screens and Petroleum Observation Wells also available
- 6-inch through 12-inch also available, phone toll-free for pricing

PVC Fittings and Accessories

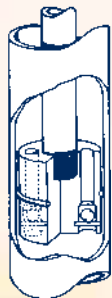
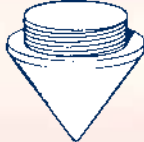
Flush Thread End Plug



Flush Thread End Caps



Flush Thread Solid Point



TIMCO™ Surge Block
PVC 1 1/2", 2", 4", and 6

Surge Blocks for Well Development

The MonoFlex surge block is used to develop a well by allowing a gentle flow of water through the screen. This action sets the gravel pack, thus providing maximum water flow. To be used in 1 1/2", 2", 4" and 6" Schedule 40 PVC Regular or High Flow Screens.

Cat. No.	Size	Description	Price
MON-2SC	2-inch	Slip Cap	\$ 3.00
MON-2TECM	2-inch	Threaded End Cap (Female)	11.46
MON-2TECF	2-inch	Threaded End Cap (Male)	11.46
MON-2WP	2-inch	Well Point	15.62
MON-2HP	2-inch	Hoisting/Lifting Plug	58.00
MON-4SC	4-inch	Slip Cap	8.98
MON-4TECF	4-inch	Threaded End Cap (Female)	22.00
MON-4TECM	4-inch	Threaded End Cap (Male)	22.00
MON-4WP	4-inch	Well Point	28.23
MON-4HP	4-inch	Hoisting/Lifting Plug	146.00

6-inch through 12-inch also available

Surge Block Size	Cat. No.	Surge Block Price
2" w/3/4" thread	MON-SB2	\$ 133.00
4" w/1" thread	MON-SB4	150.00
6" w/1 1/4" thread	MON-SB6	321.00

Surge Blocks may be provided with NPT on request. Brass and Leather Surge Blocks also available.

Well Protection/Below Grade



Enviro-Tech carries a wide variety of flush mounted below grade well protection equipment. The top seller is the **Morrison** well cover. This design offers water tight gaskets and a dual bolt access design, plus each clearly displays MONITORING WELL on the lid.

Cat. No.	Description	Price
Morrison Well Covers		
MOR-418XA-88	Standard 8-inch x 8-inch skirt	\$ 75.00
MOR-418XA-812	Standard 8-inch x 12-inch skirt	77.00
MOR-418XA-1212	Standard 12-inch x 12-inch skirt	112.00

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



Writing Supplies

General Field Supplies



Bound Bookbooks

The "professionals" bound book – the only book manufactured with true outdoor durable components.



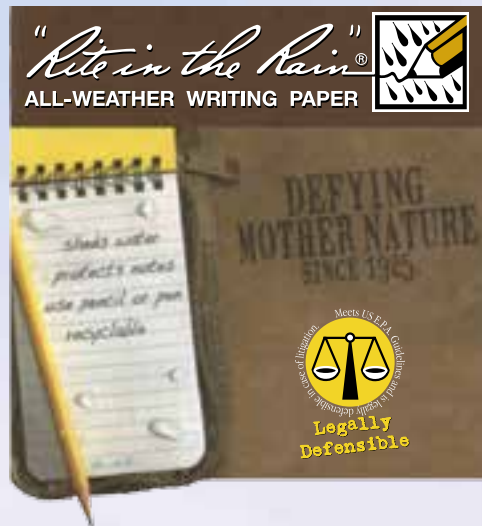
Stapled Notebooks

4 5/8" x 7". Most popular field notebook in history. High quality, yet economical.



Spiral Notebooks

4 5/8" x 7". Folds back cover to cover. Poly cover, wire-o spiral.



All-Weather Copier Paper

Copy or laser print your own all-weather forms, charts, maps and worksheets on patented "Rite in the Rain" All-Weather Copier Paper.



Field Desk

Weatherproof, the "Rite in the Rain" Field Desk lets you take your office outdoors, regardless of the weather!

NEW



4" x 6" Notebook Belt Loop Pouch

The Pouch comes equipped with a fold-over flap, a sturdy buckle closure and ample room for your 4" x 6" Notebook and extra supplies – maps, pencils, pens, flashlights, etc...

All-Weather Pens

These All-Weather Pens write on wet paper and upside down in temperatures from -30°F to 250°F.



	Cat. No.	Description	Price
1	RR-540F	Rite-in-the-Rain Geological Bound Book w/ Ref. pages	\$30.00
	RR-540F-KIT	Rite-in-the-Rain Geological Kit w. scales, ruler, poach, and bound book	65.00
2	RR-550F	RITR hardbound 156 numbered page book w/ Environmental notes and references	35.00
3	RR-351	Rite-in-the-Rain stapled 48 page book; 12 pk	55.00
4	RR-353MX	Rite-in-the-Rain spiraled bound 84 page book	21.00
	RR-350NF	Rite-in-the-Rain hardbound 156 numbered page book	28.00
	RR-C980	Fabric Note Book Cover	20.00
	RR-C540F	Fabric Notebook Pouch	29.95
5	RR-8511	All-weather Copy Paper, 8.5"x11", 200 sheet pack	35.00
	RR-8511M	All-weather Copy Paper, 8.5"x11", 25 sheet pack	15.00
6	RR-295	RITR Field Desk	25.00
7	RR-C1700	RITR 4"x6" Notebook Belt Pouch	20.00
	RR-146-KIT	RITR Notebook Pouch Kit	35.00
8	RR-37	Rite-in-the-Rain All-Weather Pen	15.00

Writing & Technician Supplies



Geotechnical Guide Card

The McCollough Geotechnical Gauge, designed for field use as a guide to the classification of soils by type, grain size and basic color. Six color swatches and four sand samples are permanently mounted on the card, together with charts of sieve classifications, clay and sand classifications. Supplied as a water resistant, flexible plastic card on a lanyard.

Geotechnical Guide Card

Cat. No.	Description	Price
AMS-504.20	McCollough Geotechnical Guide Card	\$20.22



NEW and Improved!

Now includes two new soil charts, more water resistant pages, and recessed paint chips!

Munsell® Soil Color Chart Binder

Color classification of soils using 250 mounted chips.

The Munsell color chart enables color classification of soils using 250 mounted color chips. Developed with the U.S. Soil Conservation Service, this guide is the industry standard. The chart now includes two new soil charts – 7.5R and 5R! The pages are more water resistant, and recessed paint chips are less likely to chip or fall off. The recessed chips also make it easier to compare your sample's color.

Cat. No.	Description	Weight	Price
AMS-504.00	Munsell Soil Color Chart Binder	0.8 lb.	\$ 218.28

Geotechnical Reference Card Packet

- 1) This handy set of geotechnical reference cards fits in your shirt pocket. Consisting of 8 cards, printed on both sides, this set includes the following information: Geotechnical Time Scale; Photo Scale; Drill Sample Logging Aid with Grain Size Classification; Classification of Igneous, Sedimentary, Plutonic, and Volcanic Rocks; Periodic Table of the Elements; Geotechnical Data on rock strength, standard penetration tests, undrained shear strength, and more. Complete set in a vinyl cover, 3 1/2 x 5".
- 2) Sand Grain Size Gauge.
- 3) McCollough Geotechnical Gauge designed for field use as a soil classification guide.



Cat. No.	Description	Price
1 MIN-AX995	Pocket Reference Card Deck	\$32.00
2 MIN-5001	Sand Grain Size Gauge	20.00
3 AMS-504.20	McCollough Geotech Guide Card	20.22
MIN-TechSet	Complete Set 1, 2, 3	69.00

Field Technicians Work & Write Glove

Atlas Fit Natural Rubber-coated Glove

The natural rubber coating of the Atlas Fit Glove, combined with its cotton-polyester shell, provides superior abrasion resistance with a comfortable fit.



Cat. No.	Size	Unit	Price
Atlas Fit Rubber-Coated Gloves			
FS11-18-999-4410	S	12 PR/Pack	\$46.00
FS11-18-999-4410A	M	12 PR/Pack	46.00
FS11-18-999-4410B	L	12 PR/Pack	46.00
FS11-18-999-4410C	XL	12 PR/Pack	46.00



Laminated Field Guide Charts

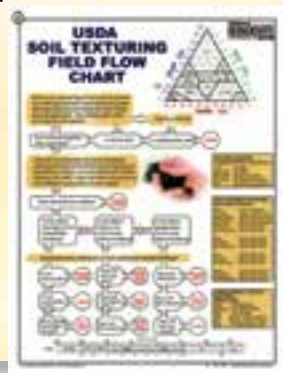


1 Log and Analyze Soil and Stratigraphy in the Field

The 8.5"Wx11"H field-oriented Guide helps you characterize sedimentary sequences on boring logs, and classify soil by the USCS.

Classifies Soils and Sediments using the USDA Trilinear Diagram.

This 8.5"Wx11"H Chart makes it easy to classify soils and sediments in the field based on texture modifiers, rock fragment modifiers and compositional texture modifiers.



2



3 Improve the accuracy of your boring logs

Double-sided, plastic-coated guide for making accurate and complete soil and sediment descriptions on field boring logs. It is intended to improve the analysis of various sedimentary depositional environments applied to both environmental and engineering projects.

Cat. No.	Description	Price
1 MWG-SSA	Soil and Stratigraphic Analysis	\$35.00
2 MWG-STF	USDA Soil Texturing Field Flow Chart	35.00
3 MWG-RCL	Field Guide for Rock Core Logging and Fracture Analysis	35.00

*Prices subject to change without notice

Technical Field Guide

Field Guide

This Field Guide is provided as a useful “tool” for field personnel working in the Environmental Industry. The Guide contains useful publications, charts, graphs and information used in the acquisition of data during field protocols for drilling, well logging, well completion, and groundwater sampling and monitoring projects. Again, the intent of the Guide is to provide a useful “tool” for field personnel. Enviro-Tech assumes no responsibility or liability for, or resulting from, the information contained in the Field Guide.

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Technical Field Guide Index

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Health and Safety Tables	77

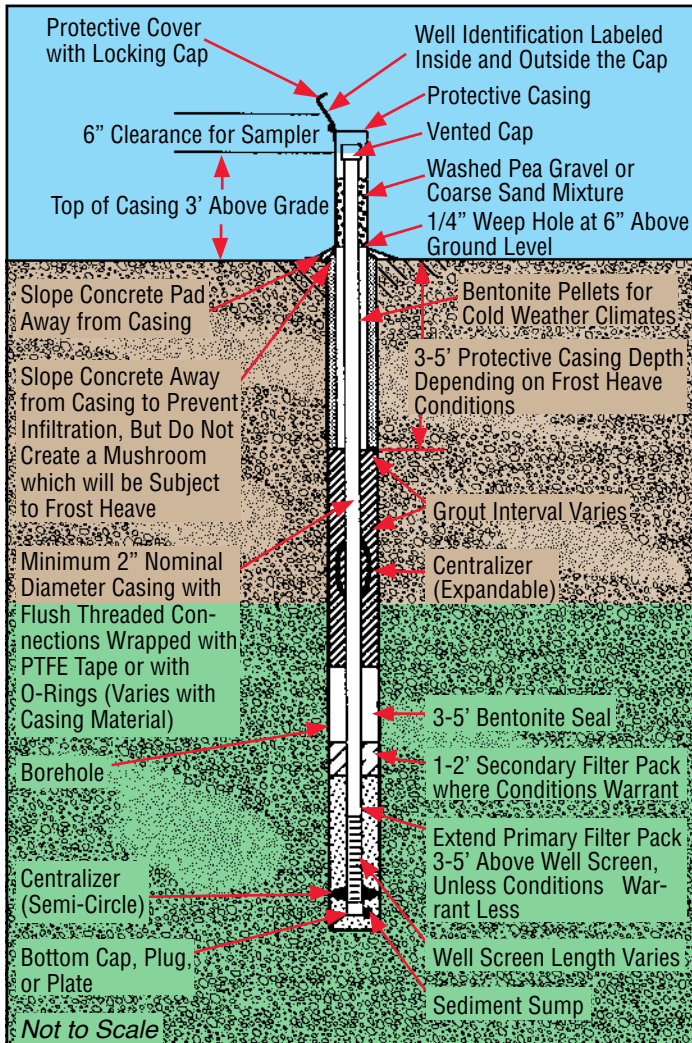
Hawaiian Islands Chain

The Hawaiian Emperor seamount chain is a well-known example of a large seamount and island chain created by hot-spot volcanism. Each island or submerged seamount in the chain is successively older toward the northwest. Near Hawaii, the age progression from island to island can be used to calculate the motion of the Pacific Oceanic plate toward the northwest. The youngest seamount of the Hawaiian chain is Loihi, which presently is erupting from its summit at a depth of 1000 meters.

The Earth's outer crust is made up of a series of tectonic plates that move over the surface of the planet. In areas where the plates come together, sometimes volcanoes will form. Volcanoes can also form in the middle of a plate, where magma rises upward until it erupts on the sea floor, at what is called a “hot spot.”

The Hawaiian Islands were formed by such a hot spot occurring in the middle of the Pacific Plate. While the hot spot itself is fixed, the plate is moving. So, as the plate moved over the hot spot, the string of islands that make up the Hawaiian Island chain were formed.

Well Construction Info



Typical monitoring well design components.

Well Volumes

Diameter (Inches)	Gallons/root	Feet/gallon
2	0.16	6.25
3	0.37	2.70
4	0.65	1.54
5	1.02	0.98
6	1.47	0.68
7	2.00	0.50
8	2.61	0.38
9	3.30	0.30
10	4.08	0.245
12	5.87	0.17
14	8.0	0.125
16	10.5	0.095
18	13.2	0.076
20	16.3	0.061
24	23.5	0.043
36	52.9	0.028

WEIGHTS & DIMENSIONS				
PVC PIPE & SLOTTED SCREEN				
Schedule 40				
Pipe Size	Pipe OD.	Pipe ID.	App. Ship Wt.	Rows of Slots
1 1/4"	1.660"	1.380"	0.43 lbs/ft.	3
2"	2.375"	2.067"	0.70 lbs/ft.	3
4"	4.500"	4.026"	2.00 lbs/ft.	6
6"	6.625"	6.065"	3.45 lbs/ft.	8
8"	8.625"	7.981"	5.22 lbs/ft.	10
Schedule 80				
Pipe Size	Pipe OD.	Pipe ID.	App. Ship Wt.	Rows of Slots
2"	2.375"	1.939"	0.93 lbs/ft.	3
4"	4.500"	3.826"	2.70 lbs/ft.	6

Rig Dimensions and Capabilities

Rig Name	Model	Torque Rating Ft. Lbs.	Length	Width	Height (Mast Down)	Height (Mast Up)	Max. Soil Boring Depth	Max. Monitoring Well Depth	Casing Diameter	Max. Angle Hole Capacity
CME	95	31,000	34'	8'	12'	38'	300'	300'	4"	N/A
CME	75HT	13,000	30'	8'	10.5'	28'	200'	200'	4"	45 deg.
								100'	8"	
MOBILE	B-61	12,000	30'	8'	11.5'	28'	150'	120'	4"	N/A
MOBILE	B-57	7,000	30'	8'	11.5'	28'	140'	100'	4"	30 deg.
ACKER	AD-II	6,500	24'	8'	10.5'	25'	100'	80'	4"	N/A
4 WD										
SOIL										
MASTER	50	2,000	18'	8'	7.5'	12.5'	60'	50'	2"	30 deg.
CME	LIMITED ACCESS	10,000	10'	5'	7.5'	10.10'	140'	140'	4"	N/A
75										
ACKER	LIMITED ACCESS	6,500	13'	5'	8'	12.3'	120'	80'	4"	N/A
								50'	8"	
SOIL										
MASTER	LIMITED ACCESS	2,000	10'	5'	5.5'	10.5'	50'	40'	2"	30 deg.
SMEAL	5T Development	N/A	20'	8'	8.8'	24'	N/A	1000'	up to 10"	N/A

*Prices subject to change without notice

Call Toll Free 1.800.468.8921



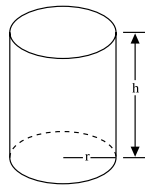
Groundwater Sampling Info

Volume Formula

$$\text{Volume} = \pi \times r^2 \times h$$

Curved surface area = $2 \times \pi \times r \times h$
End surface area = $2 \times \pi \times r^2$

Cylinder:



Water Data & Formulas

1 gallon water = 231 cubic inches = 8.333 pounds (@ 65°F)
1 pound of water = 27.72 cubic inches (@ 65°F)
1 cubic foot of water = 7.5 gallons = 62.4 pounds (salt water weighs approximately 64.3 pounds per cubic foot)
pounds per square inch at bottom of a column of water = height of column in feet x 0.434 (39°F)
1 miner's inch = 9 to 12 gallons per minute

Horsepower to Raise Water

$$\text{Horsepower} = \frac{\text{gallons per minute} \times \text{Total Head in feet}}{3960}$$

(If pumping a liquid other than water, multiply the gallons per minute above by the liquid's specific gravity)

Gallons Per Minute through a Pipe

$$\text{GPM} = 0.0408 \times \text{Pipe Diameter inches}^2 \times \text{Feet} / \text{minute water velocity}$$

Weight of Water in a Pipe

$$\text{Pounds Water} = \text{Pipe Length feet} \times \text{Pipe diameter inches}^2 \times 0.34$$

Gallons per Minute of a Slurry

$$\text{GPM Slurry} = \text{GPM Water} + \frac{4 \times \text{Tons of per hour of solids}}{\text{Specific Gravity of Solids}}$$

Approximate Amount of Water in a Well

Diameter of casing or hole in inches	Gallons per foot of depth	Cubic feet per foot of depth	Liters per foot of depth
1	0.041	0.0055	0.509
1 1/2	0.092	0.0123	1.142
2	0.163	0.0218	2.204
2 1/2	0.255	0.0341	3.167
3	0.367	0.0491	4.558
3 1/2	0.500	0.0668	6.209
4	0.653	0.0873	8.110

Capacity of Tanks

Tank diameter	Gallons per foot depth
12"	5.86
18"	13.20
24"	23.42
30"	36.6
36"	52.6
42"	71.6
48"	93.6
54"	119.0
60"	146.0
72"	211.0



Purchase Online with P.O. or Project Number

Hydraulic Conversion Data*

by U.S. Geologic Survey, Water Resources Division

Volume

1 cubic ft	= 7.4805 US gallons	= 6.2321 imperial gallons	= 28.317 liters
1 U.S. gallon	= 0.13368 cubic ft	= 0.83271 imperial gallon	= 3.7854 liters
1 imperial gallon	= 0.16040 cubic ft	= 1.2009 US gallons	= 4.5437 liters
1 liter	= 0.035315 cubic ft	= 0.26417 US gallon	= 0.22009 imperial gallon
1 cubic ft	= 0.028317 cubic meter	= 0.00022957 acre-ft	
1 cubic meter	= 35.315 cubic ft	= 0.00081071 acre-ft	
1 acre-ft	= 43,560 cubic ft	= 1,233.5 cubic meters	
1 cubic mile	= 3.3792 million acre-ft		
1 cf s-day	= 86,400 cubic ft	= 1 cubic ft per second for 24 hr	

Volume conversion Factors

Initial Unit	Coefficient (multiplier) to obtain:					
	Cfs-days	Mil. cu ft	Mil. gal.	Acre-ft	In. per sq mi.	Mil. cu. meters
Cfs-days	—	0.086400	0.64632	1.9835	0.037190	.0024466
Mil. cu. ft	11.574	—	7.4805	22.957	.43044	.028317
Mil. gal.	1.5472	.13368	—	3.0689	.057542	.0037854
Acre-ft	.50417	.043560	.32585	—	.018750	.0012335
In. per sq. mi.	26.889	2.3232	17.379	53.333	—	.065785
Mil. cu. meters	408.73	35.314	264.17	810.70	15.201	—

Velocity

Velocity	Pressure (0° C = 32° F)
1 mile per hr	= 1.467 ft per sec
1 mile per hr	= 88 ft per mm
1 ft per sec	= 0.682 mile per hr
1 ft per mm	= 0.0114 mile per hr
1 ft per sec	= 0.3046 meter per sec
1 meter per sec	= 3.281 ft per sec
1 ft of head, fresh water	= 0.433 lb per sq in, pressure
1 lb per sq in, pressure	= 2.31 ft of head, fresh water
1 meter of head, fresh water	= 1.42 lb per sq in, pressure
1 lb per sq in, pressure	= 0.704 meter of head
1 atmosphere (msi.)	= 33.907 ft of water

Weight

1 cubic ft of fresh water	= 62.4 lb	= 28.3 kg
1 cubic ft of sea water	= 64.1 lb	= 29.1 kg
1 cubic meter of fresh water	= 1000kg	= 1 metric ton

Rates of Flow

1 cubic ft per sec	= 448.83 US gallons per min	= 646,317 US gallons per day	= .028317 cu meter per sec
1 cubic ft per min	= 7.4805 US gallons per min	= 10,772 US gallons per day	= .00047195 cu meter per sec
1 U.S. gallon per min	= 0.002228 cubic ft per sec	= 0.13368 cubic ft per min	= 1440 U.S. gallons per day = .00063090 cu meter per sec
1 U.S. gallon per day	= .000093 cubic ft per min	= .0006944 US gallon per min	
1 cubic ft per sec	= 1.9835 acre-ft per day	= 723.97 acre-ft per year	
1 acre-ft per day	= 0.50417 cubic ft per sec	= 365 acre-ft per year	= .014276 cu meter per sec
1 acre-ft per year	= 0.00138 cubic ft per sec	= 0.00274 acre-ft per day	
1 inch per hr on 1 acre	= 1 cubic ft per sec (approx)		
1 inch per hr on 1 sq mi	= 645.33 cubic ft per sec		

Rate Conversion Factors

Initial Unit	Coefficient (multiplier) to obtain:					
	Cu ft per sec	Gal per mm	Mil gal per day	Acre-ft per day	Inches per day per sq mi	Cu meters per sec
Cu ft per sec (cfs)	—	448.83	0.64632	1.9835	0.037190	.028317
Gal per mm (gpm)	0.0022280	—	.0014400	.0044192	.00008286	.000063090
Mil gal per day (mgd)	1.5472	694.44	—	3.0689	.057542	.043813
Acre-ft per day	.50417	226.29	.32585	—	.01850	.014276
Inches per day per sq mi	26.889	12,069	17.379	53.333	—	.76140
Cu meters per sec	35.314	15,850	22.834	70.045	1.3134	—

Miner's inch is a rate of discharge that has been fixed by statute in most of the western states:

1 cubic ft per sec	= 50 miner's in (Idaho, Kansas, Nebraska, New Mexico, North Dakota, South Dakota)
1 cubic ft per sec	= 40 miner's in (Arizona, California, Montana, Oregon)
1 cubic ft per sec	= 38.4 miner's in (Colorado)
1 miner's inch	= .02 cubic ft per sec (Idaho, Kansas, Nebraska, New Mexico, North Dakota, South Dakota)
1 miner's inch	= .025 cubic ft per sec (Arizona, California, Montana, Oregon)
1 miner's inch	= .026 cubic ft per sec (Colorado)

*This Chart can also be found in the AGI Data Sheets (53.1)

Measurement Conversion Data

English to Metric*

Known	(symbol)	Multiplier	Product	(symbol)
LENGTH				
inches	(in or ")	2.54 x 10 ⁴	micron [=10,000 Angstrom units (A)]	(μ)
inches	(in or ")	25.4	millimeters	(mm)
feet	(ft or')	30.48	centimeters	(cm)
feet	(ft or')	0.3048	meters	(m)
yards	(yd)	0.9144	meters	(m)
miles (statute)	(mi)	1.6093	kilometers	(km)
nautical miles	(nmi)	1.85	kilometers	(km)
AREA				
square inches	(in ²)	6.4516	square centimeters	(cm ²)
square feet	(ft ²)	0.0929	square meters	(m ²)
square yards	(yd ²)	0.8361	square meters	(m ²)
square miles	(mi ²)	2.5900	square kilometers	(km ²)
(1 square mile = 640 acres)				
acres	(ac)	0.405	hectares	(ha)
VOLUME				
cubic inches	(in ³)	16.3871	cubic centimeters	(cm ³)
cubic feet	(ft ³)	0.02832	cubic meters	(m ³)
cubic yards	(yd ³)	0.7646	cubic meters	(m ³)
cubic miles	(mi ³)	4.1684	cubic kilometers	(km ³)
quarts (U.S. liquid)	(qt)	0.9463	liters	(l)
			(=1000 cm ³)	
gallons (U.S. liquid)	(gal)	3.7854	liters	(l)
(=0.8327 Imperial gal)				
barrels	(bbl)	0.159	cubic meters	(m ³)
barrels 32°AP1	(bbl)	0.137	metric tons	(MT)
(For other densities, see table on next page.)				
barrels	(bbl)	158.9828	liters	(l)
(petroleum — 1 bbl = 42 gal)				
acre-feet	(acre-ft)	1233.5019	cubic meters	(m ³)
(=43,560 ft ³ =3.259 x 10 ⁵ gal)				
MASS				
ounces (avdp.)	(oz)	28.3495	grams	(g)
ounces (avdp.)				
1 troy oz.=0.083 lb)				
pounds (avdp.)	(lb)	0.4536	kilograms	(kg)
short tons		0.9072	megagrams	(Mg)
(2000 lb)			(= metric tons)	
long tons		1.0160	megagrams	(Mg)
(2240 lb)				
carats (gems)	(c)	0.2000	grams	(g)
VOLUME PER UNIT TIME				
cubic feet per second	(ft ³ /s)	0.02832	cubic meters per second	(m ³ /s)
(= 448.83 gal/in in)				
cubic feet per second	(ft ³ /s)	28.3161	cubic decimeters per second (liters per second)	(dm ³ /s)
			liters per second	(l/s)
cubic feet per minute	(ft ³ /min)	0.47195	liters per second	(l/s)
(= 7.48 gal/mm)				
gallons per minute	(gal/min)	0.06309	liters per second	(l/s)
barrels per day	(bbl/d)	0.00184	liters per second	(l/s)
(petroleum — 1 bbl = 42 gal)				
PRESSURE				
pound (force) per square inch	(lb-f/in ²) (=PSI)	6.8948	kilopascal (kPa)	
			(1 Pascal = 1 Newton m ² = kg m/sec ² m ²)	
atmosphere	(atm)	101.325		
(= 14.6960 PSI = 1.01325 bars)				
bar		100.0		
(= 14.5038 PSI=0.9869 atm)				
TEMPERATURE				
temperature, degrees Fahrenheit	(°F)	5/9 (after subtracting 32)	temperature, degrees Celsius	(°C)
temperature, degrees Fahrenheit		5/9 (after adding 459.67)	temperature Kelvin	(K)
temperature, degrees Celsius	(°C)	add 273.15	temperature Kelvin	(K)
THERMAL GRADIENT				
1°F/100 ft = 1.8°C/100 in = 18°C/km				
CRUDE OIL VOLUME PER BARREL				
Degrees API	Specific gravity	Metric ton per barrel*		
26	0.898	0.142		
28	0.887	0.140		
30	0.876	0.139		
32	0.865	0.137		
34	0.855	0.135		
36	0.845	0.134		
38	0.835	0.132		
40	0.825	0.130		
42	0.816	0.129		

Note: Approximate figures 60°F.
*Interpolate linearly for intermediate APIs.



*This Chart can also be found in the AGI Data Sheets (51.1)

Metric to English*

Known	(symbol)	Multiplier	Product	(symbol)
LENGTH				
micron (=10,000 Angstrom units)	(μ)	3.9370	x 10 ⁻⁵ inches	(in or ")
millimeters	(mm)	0.03937	inches	(in or ")
centimeters	(cm)	0.0328	feet	(ft or')
meters	(m)	3.2808	feet	(ft or')
meters	(m)	1.0936	yards	(yd)
kilometers	(km)	0.6214	miles (statute)	(mi)
kilometers	(km)	0.54	nautical miles	(nmi)
AREA				
square centimeters	(cm ²)	0.1550	square inches	(in ²)
square meters	(m ²)	10.7639	square feet	(ft ²)
square meters	(m ²)	1.1960	square yards	(yd ²)
square kilometers	(km ²)	0.3861	square miles	(mi ²)
			(1 square mile = 640 acres)	
hectares	(ha)	2.471	acres	(ac)
VOLUME				
cubic centimeters	(cm ³)	0.06102	cubic inches	(in ³)
cubic meters	(m ³)	35.3146	cubic feet	(ft ³)
cubic meters	(m ³)	1.3079	cubic yards	(yd ³)
cubic kilometers	(km ³)	0.2399	cubic miles	(mi ³)
liters	(l)	1.0567	quarts	(qt)
			(U.S. liquid)	
liters	(l)	0.2642	gallons	(gal)
			(U.S. liquid)	
liters	(l)	0.006290	barrels	(bbl)
			(1 bbl=42 gal)	
cubic meters	(m ³)	6.29	barrels	(bbl)
metric tons 32°AP1	(MT)	7.28	barrels	(bbl)
(For other densities, see table on next page.)				
cubic meters	(m ³)	0.0008107	acre-feet	(acre-ft)
			(=43,560 ft ³ =3.259 x 10 ⁵ gal)	
MASS				
grams	(g)	5.0000	carats (gems)	(c)
grams	(g)	0.03527	ounces (avdp.)	(oz)
kilograms	(kg)	2.2046	pounds (avdp.)	(lb)
megagrams	(Mg)	1.1023	short tons	
(= metric tons)			(2000 lb)	
megagrams	(Mg)	0.9842	long tons	
			(2240 lb)	
VOLUME PER UNIT TIME				
cubic meters per second	(m ³ /s)	35.3107	cubic feet per second	(ft ³ /s)
			(=448.83 gal/mm)	
cubic decimeters per second (liters per second)	(dm ³ /s)	0.03532	cubic feet per second	(ft ³ /s)
liters per second	(l/s)	2.1188	cubic feet per minute	(ft ³ /min)
liters per second	(l/s)	15.8503	gallons per minute	(gal/mm)
liters per second	(l/s)	543.478	barrels per day	(bbl/d)
			(petroleum — 1 bbl = 42 gal)	
PRESSURE				
kilopascal (kPa)		0.1450	pound (force) per square inch (= PSI)	(lb-f/in ²)
(1 Pascal = 1 Newton m ² = kg m/sec ² m ²)			0.009869	atmosphere
				(= 14.6960 PSI)
		0.01	bar	(=14.5038 PSI)
TEMPERATURE				
temperature, degrees Celsius	(°C)	9/5 (then add 32)	temperature, degrees Fahrenheit	(°F)
temperature Kelvin	(K)	9/5 (then subtract 459.67)	temperature, degrees Fahrenheit	(°F)
temperature Kelvin	(K)	subtract 273.15	temperature, degrees Celsius	(°C)
THERMAL GRADIENT				
1°F/100 ft = 1.8°C/100 in = 18°C/km				
CRUDE OIL VOLUME PER BARREL				
Degrees API	Specific gravity	Barrels per metric ton*		
26	0.898	7.02		
28	0.887	7.10		
30	0.876	7.19		
32	0.865	7.28		
34	0.855	7.37		
36	0.845	7.46		
38	0.835	7.55		
40	0.825	7.64		
42	0.816	7.73		

Note: Approximate figures 60°F.
*Interpolate linearly for intermediate APIs.



*This Chart can also be found in the AGI Data Sheets (51.3)

Health and Safety Data

Wind Chill Chart

WIND SPEED IN MPH	Equivalent Wind Chill Temperatures at Actual Temperature Readings (F°)									
	50	40	30	20	10	0	-10	-20	-30	-40
calm	50	40	30	20	10	0	-10	-20	-30	-40
5	48	37	27	16	6	-5	-15	-26	-36	-40
10	40	28	16	4	-9	-21	-33	-46	-58	-70
15	36	22	9	-5	-18	-36	-45	-58	-72	-85
20	32	18	4	-10	-25	-39	-53	-67	-82	-96
25	20	16	0	-15	-29	-44	-59	-74	-88	-104
30	28	13	-2	-18	-33	-48	-63	-79	-94	-109
35	27	11	-4	-20	-35	-49	-67	-82	-98	-113
40	26	10	-6	-21	-37	-53	-69	-85	-100	-116
Over 40 mph (little added effect)	LITTLE DANGER (for properly clothed person)			INCREASING DANGER (Danger from freezing of exposed flesh)			GREAT DANGER			

Hypothermia

Mild:

- **Symptoms:** Shivering, loss of coordination, complains of being cold.
- **Treatment:**
 - Move victim to someplace warm and dry. Add more clothing, or replace wet clothing with dry.
 - Cover the person's head and/or neck. Put a barrier between the person and the ground.
 - Cover the person with a space blanket or other vapor barrier. Offer warm nonalcoholic liquids or food.
 - Encourage the person to move around to generate more heat.
 - Apply heat packs to head, neck, underarms, sides of chest, or groin; insulate heavily to prevent further heat loss. Warm shower or bath if available and victim is alert.
 - As a last resort, have someone who is NOT hypothermic get into a sleeping bag with the victim. This method may endanger the rescuer. Two people who are hypothermic should not do this.

Moderate:

- **Symptoms:** Listless, confused, does not recognize problem; shivers uncontrollably, uncoordinated, speech slurred.
- **First Aid:** Same treatment as above, but cover the person rather than moving him. Do not allow victim to exercise or move, treat very gently. Check for other injuries including frostbite.

Severe:

- **Symptoms:** Internal temperature of 90°F (32.2°C) or less. Unconsciousness, slow pulse and respiration, no shivering, physical collapse, unresponsive to pain or words.
- **First Aid: Life-threatening - call for professional care.**
 - If pulse and respiration are present, treat as above, but don't give oral fluids unless completely conscious. Do not put the person in a warm shower or bath, and be careful to handle the person gently. Do not rub hands or feet.
 - If pulse and respiration are not present, take the above measures to rewarm the person, start CPR, and get to a medical facility ASAP.

Sound Intensities

Sound intensities are typically measured in decibels (db). A decibel is defined as 10 times the logarithm of the power ratio (power ratio is the ratio of the intensity of the sound to the intensity of an arbitrary standard point). Normally a change of 1 db is the smallest volume change detectable by the human ear.

Sound intensity is also defined in terms of energy (erg) transmitted per second over a 1 square centimeter surface. This energy is proportional to the velocity of propagation of the sound. The energy density is $\text{erg/cm}^3 = 2\pi^2 \times \text{density in g/cm}^3 \times \text{frequency}^2 \text{ in Hz} \times \text{amplitude}^2 \text{ in cm}$.

Decibels	Degree	Loudness or Feeling
225	Deafening	12" cannon @ 12 ft. in front below
194		Saturn rocket, 50# of TNT @ 10'
140		Artillery fire, jet aircraft, ram jet
130		Threshold of pain: >130 causes immediate ear damage
		Propeller aircraft at 5 meters, hydraulic press, pneumatic rock drill
120		Thunder, diesel engine room, nearby riveter
110		Close to a train, ball mill
100	Very Loud	Boiler factory, home lawn mower, car horn at 5 meters, wood saw
90		Symphony or a band
		>90 regularly can cause ear damage
		Noisy factory, truck without a muffler
80	Loud	Inside a high speed auto, police whistle, electric shaver, noisy office, alarm clock
70		Average radio, normal street noise
60	Moderate	Normal conversation close up
50		Normal office, quiet stream
45		To awaken a sleeping person
40	Faint	Normal private office noise, residential neighborhood, no cars
30		Quiet conversation, recording studio
20	Very Faint	Inside an empty theater, ticking of watch, rustle of leaves, whisper
10		Sound proof room, threshold of hearing
0		Absolute silence

Permissible Noise Exposures

Hours Duration per Day	Sound Level in Decibels (Slow Response)
8	90
6	92
4	95
3	97
2	100
1.5	102
1	105
0.5	110
0.25	115

The above restrictions are based on the Occupational Safety and Health Act of 1970. That Code basically states that if the above exposures are exceeded, then hearing protection must be worn. Note that these are based on the "A scale" of a standard sound level meter at slow response and will change if some other standard is used. See the OSHA Section 1910.95 for additional details on the differences.



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Equipment Rental Rates

GROUNDWATER SAMPLING INSTRUMENTATION

DAILY WEEKLY MONTHLY

Water Level Indicators

Solinst Mdl. 101/Heron Dipper-T: 100'-300'	\$ 30.00	\$ 90.00	\$ 180.00
Solinst Mdl. 101/Heron Dipper-T: 500'-1000'	45.00	135.00	405.00
Solinst Mdl. 102 w/ .25" probe: 100'-300'	30.00	90.00	180.00
Sonic Depth Meter	45.00	135.00	405.00

Oil/Water Interface Meters

Solinst Mdl. 122/Heron H.Oil: 100'-300'	75.00	225.00	675.00
Solinst Mdl. 122/Heron H.Oil: 500'	85.00	255.00	765.00

Single Parameters Instruments

Dissolved Oxygen

Hanna DO Meter	45.00	135.00	405.00
YSI ProDO Optical DO	60.00	180.00	540.00

Turbidity

Hanna Turbidity Meter, HI-98703.....	40.00	120.00	360.00
LaMotte 2020e/2020WE	40.00	120.00	360.00
Oakton T-100	40.00	120.00	360.00

Multi Parameter Instruments

New – Aquameter	110.00	330.00	990.00
pH/Cond/Temp/ORP/DO/Turbidity			
Horiba U-10, 2m/10m cable.....	70.00	210.00	630.00
pH/Temp/EC/ORP/DO/Turb/TDS			
Horiba U-22, 4m/10m cable, w/Flow Cell	125.00	375.00	1125.00
pH/Temp/EC/ORP/DO/Turb/TDS/SSG/Depth/Salinity			
Horiba U-52, 2m/10m cable.....	125.00	375.00	1125.00
CellpH/Temp/EC/ORP/DO/Turb/TDS/Salinity			
YSI Model 556: 4m/10m/20m cable w/Flow Cell	100.00	300.00	900.00
pH/Temp/EC/ORP/DO/Salinity/TDS			
UltraMeter II 6P (pH/Cond/Temp/ORP/Resistivity).....	35.00	105.00	315.00
Hanna (pH/Cond/Temp), HI-99130 Model	35.00	105.00	315.00

Dataloggers

Solinst Levellogger w/Communications Package & Software	60.00	180.00	560.00
* priced per logger			

GROUNDWATER SAMPLING PUMPS AND EQUIPMENT

DAILY WEEKLY MONTHLY

Proactive Purge Pump w/ Controller; 40' - 85'	\$ 45.00	\$ 135.00	\$ 405.00
Proactive Purge Pump w/ Controller; 90' - 150'	65.00	195.00	585.00
Proactive Mega-Monsoon w/ Controller; 200'	85.00	255.00	765.00

Low Flow Sampling

GeoTech II Persaltatic Pump	30.00	90.00	270.00
GeoPro Bladder Pump System (.5"/1.6" dia.)	215.00	645.00	1935.00
QED Sample Pro System; MP10, 1.6" pump, Complete System	215.00	645.00	1935.00
Waterra Hydrolift 2 Inertial Pump (Ideal for Well Development)	100.00	300.00	900.00
*HDPE/LDPE Tubing Required w/Footvalve			
Honda EU2000 Generator (2000w)	60.00	180.00	540.00

Equipment Rental Rates

AIR MONITORING EQUIPMENT	DAILY	WEEKLY	MONTHLY
Single Gas Instruments			
MiniRAE Lite, MiniRAE 2000/3000 PID. 10.6eV lamp.....	\$ 95.00	\$ 285.00	\$ 855.00
MiniRAE 2000	125.00	375.00	1125.00
ppbRAE 3000 10.6eV	150.00	450.00	1350.00
PID Rental Accessories			
Calibration Kit; 100ppm ISO, Regulator & Tubing	15.00	45.000	135.00
* Price based on 25% gas usage per week, Overages fill accordingly			
Multi-Gas Instruments			
MultiRAE; PID & 4 gas (LEL/O2/H2S/CO)	95.00	285.00	855.00
QRAE; 4 gas Meter (LEL/O2/H2S/CO)	80.00	240.00	720.00
RKI GX-2012; LEL/O2/H2S/CO	60.00	180.00	540.00
RKI Eagle 2; LEL/O2/H2S/CO/PID	95.00	285.00	855.00
Multi-Gas Instrument Rental Accessories			
Calibration Kit; 100ppm ISO, 4-gas mix, Regulator & Tubing.....	25.00	75.000	180.00
* Price based on 25% gas usage per week, Overages fill accordingly			
Landfill, Particulate, Mercury Monitors, and Air Sampling			
Landtec GEM 2000+; CH4/O2/LEL/H2S/Temp	150.00	450.00	1200.00
Methane Landfill Monitor	100.00	300.00	900.00
RKI Gas Tracer; LEL/O2/CO	60.00	180.00	540.00
Thermo DataRAM PDR-1000; Personal Particulate Monitor.....	100.00	300.00	900.00
Casella Micro Dust PRO; RealTime Dust Monitoring	85.00	255.00	765.00
Jerome 431X Mercury Vapor Analyzer.....	300.00	900.00	1800.00
GilAir 5 Sampling Pump.....	40.00	80.00	240.00

SOIL SAMPLING, PIPELINE and MISC. EQUIPMENT	DAILY	WEEKLY	MONTHLY
AMS Hand Auger w/ 3' extension and t-handle, 3.25" stainless steel	\$ 75.00	\$ 225.00	\$ 675.00
AMS Complete Basic Soil Sampling Kit; 3.25"	125.00	375.00	1025.00
AMS Flighted Auger Kit w/ Hammer Drill	200.00	600.00	1350.00
Schonstedt MAC 51B Pipeline Locator.....	75.00	225.00	675.00
Noise Dosimeter; Casella dBadge 350.....	45.00	135.00	405.00
Flowmeter; Global Water FP101; 3' to 6' extendable.....	30.00	100.00	300.00
Anemometer; Veloci-Calc 9545A.....	50.00	90.00	230.00
Rotary Hammer Drill; Bosch/Dewalt.....	50.00	150.00	450.00
Honda EU2000 Generator (2000w)	60.00	180.00	540.00
GVP Kit; Soil Vapor (Vadose Zone Sampling).....	250.00	750.00	1800.00
* w/ Removal Jack & Hammer Drill			

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Limited Edition Catalog

As we enter the digital age, this will be most likely the last printed edition of the Enviro-Tech catalog. The production of this catalog was first designed as a tool for working field professionals, so they could have a point of reference for bidding projects and acquiring field equipment. To that end, we incorporated technical pages to be used as a field guide. In keeping with that concept, this catalog includes 12 pages of field guides and useful data charts. We also opted to include pricing in our catalog because we believe this is what our clients want to see.

As we move through the 21st century, future catalogs will be presented in a pdf format and available on our website, plus, we will send them out by email. In keeping pace with future demands, we are now developing the first full service quick ordering platform designed to accommodate the field geo-technician.

Visit us at www.envirotechonline.com and experience our new mobile website.

Since this likely our last printed version, I want to say one thing... "thank you all for phoning Enviro-Tech for your equipment needs, we could not have entered our 30th year of business without your support."



Special Thanks

Let's all give special thanks to our top notch graphic artist, Peter, the owner of Eclipse Media. Peter created our first catalog version and this is likely his final printed catalog creation. He is also the artist behind our website, all our newsflyers, and other design innovations. You really have to admire gifted talent like this, it speaks for itself.



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