

# RENTALS CATALOGUE

---





## RENTALS

Hoskin Scientific and Avensys offer high quality, proven equipment that will provide the user with valuable data as well as numerous ways of retrieving, filtering and viewing that data. We carry a wide range of instrumentation, including: water quality, portable gas monitors, soil sampling instruments and more.

Customer satisfaction is our goal and we make an effort to ensure that all our customers are satisfied with their rental. All rental instruments are cleaned and calibrated before being sent to the user (please note that we also require equipment to be returned clean). If a rental instrument requires recalibration, please return the instrument to us and we will recalibrate at no charge. Any instrument not functioning properly can be exchanged at no cost.

Hoskin Scientific and Avensys offer technical support over the phone and can also provide hands on demonstrations. We are constantly expanding and looking for new equipment to add to the rental inventory and welcome all suggestions.

**Check our website [Hoskin.ca](http://Hoskin.ca) or [Avensys.com](http://Avensys.com) for current offerings.**

# Table of Contents

## Air & Gas

- o Aeroqual Series 500 Monitor ..... 9
- o Defender 510M Calibrator ..... 9
- o Defender 510L Calibrator ..... 9
- o Vac-U-Chamber ..... 10
- o Fixed Flow Regulator 0.5 LPM ..... 10
- o RKI Eagle 2 [HC] ..... 10
- o RKI Eagle 2 [VOC] ..... 10
- o RKI Eagle 2 [HC, VOC] ..... 10
- o RKI GX-3R Pro [LEL/O2/H2S/CO/CO2] ..... 10
- o RKI Eagle 2 [LEL/CO/CO2/O2/H2S/VOC] ..... 10
- o RKI GX-3R Pro [LEL/O2/H2S/CO/CO2] ..... 10
- o 7585 Q-Trak XP ..... 11
- o RKI GX-6000 ..... 11
- o Gilair Air Sampling Pump ..... 11
- o Helium Leak Locator ..... 11
- o Minirae 3000 PID ..... 12
- o VelociCalc Ventilation Meter ..... 12
- o Dwyer Digital Manometer ..... 12

## Groundwater

- o Water Level Logger, 4m ..... 14
- o Water Level Logger, 9m ..... 14
- o Water Level Logger, 30m ..... 14
- o Water Level Logger, 76m ..... 14
- o Hobo U20 Water Level Data Logger ..... 14
- o Geotech Bladder Pump, 1.66 Portable ..... 14
- o Bladder Pump, 0.85 Portable ..... 14
- o Geopump ..... 15
- o Geotech Geocontrol Pro ..... 15
- o Spectra Peristaltic Pump ..... 15
- o Hydrolift II ..... 15
- o Solinst 3001 Levellogger 5 ..... 16
- o Solinst Sonic Water Level Meter Model 104 ..... 16
- o Water Level Static / Drawdown 200M ..... 16
- o SS Monsoon submersible Pump ..... 16
- o Skinny Water Level Meter 60M ..... 17

# Table of Contents

## Groundwater

- o Interface Meter, 30m OIL ..... 17
- o Interface Meter, 30m ..... 17
- o Interface Meter, 60m ..... 17
- o Downhole Camera (150m) ..... 17
- o Water Level Meter, 60m ..... 17
- o Water Level Meter 200M ..... 17
- o Spectra Bladder Pump Sil 2.0 ..... 18
- o Spectra Hydro Controller ..... 18
- o Generator ..... 18

## Limnology & Fisheries Equipment

- o Electrofisher (LR-24) ..... 20
- o Hess Sampler w/ CC ..... 20
- o Standard Ponar Grab ..... 20
- o Petite Ponar 6" X 6" All SS ..... 21
- o Ekman Grab Standard (6 x 6 x 6) ..... 21
- o Kb Corer, Heavy ..... 21
- o Wildco Hand Corer, 20" ..... 21
- o eDNA Sampler Backpack ..... 22

## Moisture Density Gauges

- o Soil Density Gauge ..... 24
- o Pavement Quality Indicator ..... 24
- o CPN Nuclear Gauges ..... 24
- o Xplorer 3500 Nuclear Gauge 12" ..... 25
- o Instrotek Xplorer 2 Nuclear Density Gauge 12" ..... 25
- o Troxler Nuclear Gauges ..... 25
- o Radiation Survey Meter ..... 25

# Table of Contents

## NDT Equipment

- o Proceq GP8800 GPR ..... 27
- o Proceq GS8000 Pro Subsurface GPR ..... 27
- o Proceq GP8100 GPR ..... 27
- o Profoscope ..... 28
- o Schmidt Test Hammer Type N ..... 28

## Soil

- o Tempos Thermal Prop Analyzer ..... 30
- o Guelph Permeameter Kit ..... 30
- o ProCheck Logger Moist/ Temp/ EC ..... 30
- o Edelman Auger, 7CM D ..... 31
- o Spiral auger, bottom part, bay., Ø 4 cm ..... 31
- o Riverside Auger ..... 31

## Sound and Vibration

- o EM2030 Sound Level Monitor w/ microphone heater ..... 33
- o AvaTrace M80 ..... 33

## Water Measurement

- o rQPOD Remote Control Boat ..... 35
- o Swoffer Current Meter w/ Rod ..... 35
- o MF Pro Veloc Sensor 2M ..... 35
- o MF Pro Veloc/ Depth Sensor 6M ..... 35
- o Flowtracker2 (2M) ..... 36
- o Sontek RS5 ADCP w/ RTK ..... 36
- o RS5 ADCP with GNSS Receiver + Torrent board ..... 36
- o M9 Riversurveyor ..... 36
- o Sontek-IQ Plus ..... 37
- o Aqua Data FloStick RC4 Water Velocity Meter ..... 37
- o Aqua Data Fluvia RC3 Electromagnetic Water Velocity Meter ..... 37
- o Sommer Tq System ..... 37

# Table of Contents

## Water Measurement (cont'd)

- o Ceeline Hydrographic Kit ..... 38
- o Remote Control Arc Boat ..... 38
- o DXN Ultrasonic Flow Meter ..... 38

## Water Quality

- o Photometer 9500 ..... 40
- o Turbidity Meter, 2020we ..... 40
- o Turbidity Meter, 2020i ..... 40
- o Hobo ODO Logger ..... 41
- o Horizontal Alpha Bottle (2.2L) ..... 41
- o Horizontal Beta Bottle (2.2L) ..... 41
- o Kemmerer Bottle, 2.2L ..... 41
- o Kemmerer Bottle, PVC, 4.2L ..... 41
- o Vertical Beta Bottle (4.2L) ..... 41
- o IcListen RB9-X2 Hydrophone ..... 42
- o Free & Total Chlorine Mtr ..... 42
- o EXO1s Sonde ..... 42
- o EXO1 Sonde ..... 42
- o EXO2 Sonde ..... 43
- o EXO3 Sonde ..... 43
- o Pro1030, 4m ..... 43
- o Pro Quatro Cable ..... 43
- o ODO Digital Cable ..... 44
- o ProDSS ..... 44
- o ProSample Portable Automated Sampler ..... 44
- o Aquafluor (Rho/ Fluor) ..... 44
- o Fullsized Portable Sampler (ISCO 6712) ..... 45
- o Castaway ..... 45
- o X2 Telemetry Logger, Cellular ..... 45
- o Federal Metric Snow Sampler Kit ..... 45
- o S321 Smart Antenna ..... 46

# Table of Contents

## Miscellaneous

o Rugby 810 Laser Level .....	48
o Grabner Minivap .....	48
o Laptop Latitude .....	48
o Magnetic Locator GA-52CX .....	49

**Daily, weekly and monthly rental rates available**  
**Contact us for a quote!**

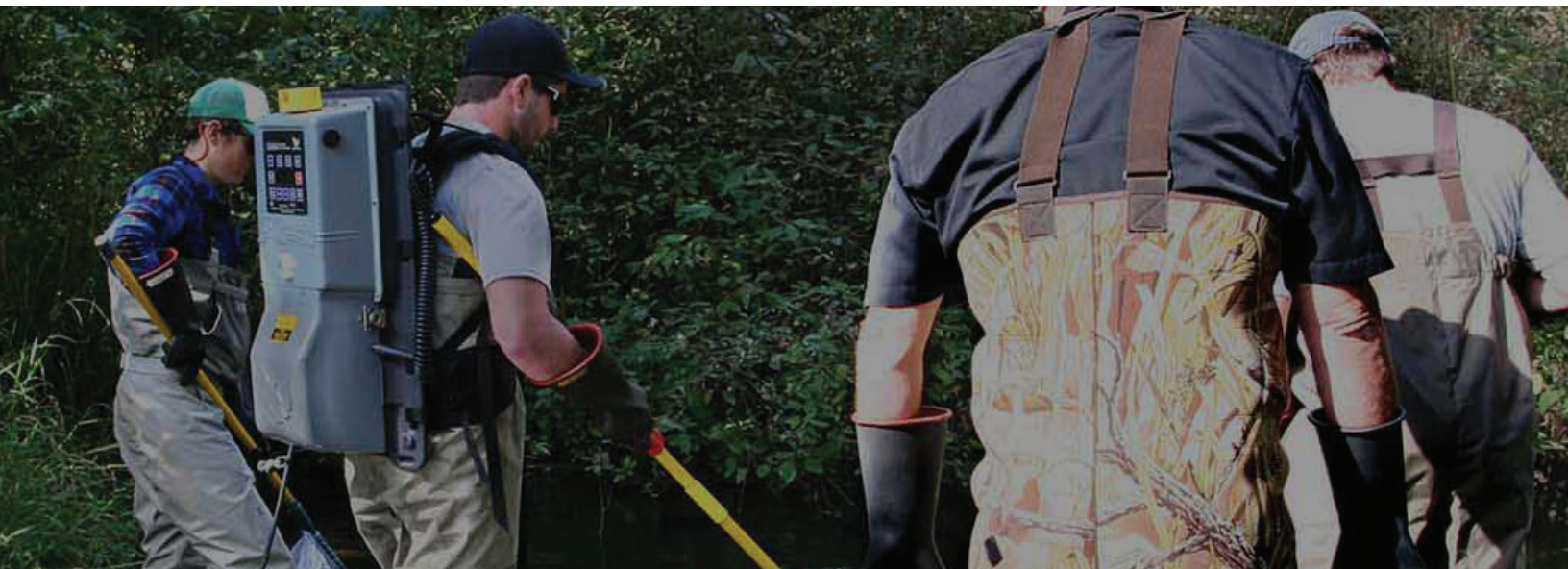
**British Columbia & Yukon**  
3735 Myrtle Street  
Burnaby, BC  
V5C 4E7  
T: (604) 872-7894  
F: (604) 872-0281  
vancouverrentals@hoskin.ca

**Prairie Provinces, Nunavut & NWT**  
11540 184 St NW  
Edmonton, AB  
T5S 2W7  
T: (780) 434-2645  
edmontonrentals@hoskin.ca

**Ontario & Atlantic Canada**  
#5-3280 South Service Rd, W  
Oakville, ON  
L6L 0B1  
T: (905) 333-5510  
F: (905) 333-4976  
oakvillere rentals@hoskin.ca

**Québec**  
300 Rue Stinson  
Montréal, QC H4N 2E7  
T: (514) 735-5267  
F: (514) 735-3454  
locationmontreal@hoskin.ca

*Products and models offered are subject to change without notice, see local rental office for clarification.*





# Air & Gas



# Air & Gas

## AEROQUAL SERIES 500 MONITOR

The Series 500 Portable Air Quality Monitor is a truly handheld portable monitor used by air quality professionals to measure up to 30 pollutants using the unique sensor head format. Sensors are housed within an interchangeable cartridge ("head") that attaches to the monitor base. The head can be removed and replaced in seconds, allowing users to measure as many gases as they wish. Sensor heads feature active fan sampling which ensures a representative sample is taken, increasing measurement accuracy.



## DEFENDER 510M CALIBRATOR

For use with an air sampling pump to calibrate or measure air flow.

### FEATURES

- 1% accuracy volumetric calibration for personal air samplers and other volumetric instruments
- Flow rate: 50 to 5000 ml/min
- Includes lead-acid battery and charger



## DEFENDER 510L CALIBRATOR

For use with an air sampling pump to calibrate or measure air flow.

### FEATURES

- +/- 1% accuracy volumetric calibration for personal air samplers and other volumetric instruments
- Low flow range
- Flow rate: 5mL – 500mL/min



## VAC-U-CHAMBER

The SKC Vac-U-Chamber is a rigid air sample box that allows sample bags to be filled directly by using negative pressure provided by most personal air sample pumps. Because the sample does not pass through the pump, both pump and sample contamination are eliminated. All surfaces in contact with the sample are constructed of inert materials. The Vac-U-Chamber's rigid walls will not collapse under vacuum conditions.

### FEATURES

- Allows direct filling of air sample bags
- Protects from contamination
- Rugged heavy-duty construction



## FIXED FLOW REGULATOR 0.5 LPM

A calibration gas regulator ensures that the gas flows at a predetermined rate, providing consistent results and maintaining the integrity of your processes. Offered with either aluminum or stainless steel threads. Stainless steel threads prevent thread galling, and provide extra durability for field use when constantly switched between bottles.

### FEATURES

- Compatible with 105L aluminum cylinders



## RKI EAGLE 2

The EAGLE and EAGLE 2 have been two of the most popular monitors for decades, but due to the discontinuation of critical components, both instruments are no longer available. Replacement parts for the EAGLE and EAGLE 2, including sensors and filters, will continue to be available for many years.

### FEATURES

- 4 Detection Models available
  - Hydrocarbons
  - VOC's
  - Hydrocarbons + VOC's
  - VOC's, LEL, CO, CO2, O2, H2S



## RKI GX-3R PRO

The GX-3R Pro is the world's smallest 5-gas monitor weighing only 4.58 ounces and fits in the palm of your hand (2.9" W x 2.6" H x 1.06" D). It simultaneously monitors and displays 5 different gases. In addition to monitoring standard confined space gases, LEL, O2, CO, & H2S, the GX-3R Pro has a 5th channel where you can add infrared or toxic gas sensors (Hydrogen Cyanide (HCN) and Nitrogen Dioxide (NO2) sensors are currently available for the GX-3R Pro).

### FEATURES

- Simple 2-button operation
- Bluetooth communication with iOS & Android App
- Non-Compliance Indicator
- 3 user adjustable alarm levels



## 7585 Q-TRAK XP

The Q-Trak XP Indoor Air Quality Monitor Model 7585 unites gas and particle measurements with traditional IAQ parameters—in one lightweight, handheld instrument that is easy to use, configure and calibrate in the field. Designed for IAQ and industrial hygiene professionals, this monitor allows you to add or change gas sensors, so you can expand your indoor air quality assessment capabilities.



### FEATURES

- Measures: Dew Point, Wet Bulb, Barometric Pressure, CO<sub>2</sub>, CO, Temp, RH, PM<sub>1</sub>/2.5/10
- Measures PM<sub>1</sub>, PM<sub>2.5</sub>, PM<sub>10</sub> size fractions and total particle concentration

## RKI GX-6000

Simply put, the GX-6000 is a game changer. This powerful hand-held PID gas monitor is capable of simultaneously monitoring up to 6 gases. The GX-6000 is equipped with a strong internal sample pump in addition to advanced safety features.



### FEATURES

- Dust and water resistant enclosure with an IP-67 rating.
- 5 bright LED lights on 3 sides of the instrument.
- View Alarms easily from a variety of perspectives.
- Can be configured with: LEL, H<sub>2</sub>S, CO, CO<sub>2</sub> and one of: VOC (0-50000ppb), VOC (0-6000ppm)

## GILAIR AIR SAMPLING PUMP

Personal Industrial Hygiene Air Sampling Pump The GilAir® Plus features wide dynamic flow and pressure ranges to address all personal air sampling methods with flow ranges between 20 and 5,000 cc/min. With patent pending QuadModeSM air sampling technology, the GilAir Plus can perform both high-flow constant pressure and constant flow (450-5,000 cc/min) and low-flow constant pressure and constant flow (20-499 cc/min) with a single pump without external adaptors.



### FEATURES

- Samples particulates, vapors, gases, and metal fumes
- Works with all common sampling media
- Outlet port for bag sampling

## HELIUM LEAK LOCATOR

The MGD-2002 Multi-Gas leak detector is the ideal instrument for detecting leaks in pressurized cables, storage tanks or any closed system that can be pressurized with the tracer gas.



### FEATURES

- Pinpoint accuracy with sensitivity from 25 PPM up to 100% concentration
- Operates in automatic (survey) mode or manual mode
- Utilizes Helium as a tracer gas

## MINIRAE 3000 PID

Whether for industrial hygiene, leak detection, or HazMat response, the MiniRAE 3000 + delivers one of the most advanced VOC monitoring capabilities on the market. MiniRAE 3000 + is solution oriented through multiple connected options. A dedicated mobile APP has been developed for Remediation engineers and Industrial Hygienists. Instrument is also available with real time connectivity which can relay readings and alarm status up to 2 miles to a RAELink 3 wireless transmitter.

### FEATURES

- 0 to 15,000 PPM (STEL, TWA, PEAK)
- Built-in sample pump draws up to 100ft/30m horizontally or vertically
- 350 compounds correction factors – measure more than any other PID
- Typical Applications: Environmental Site Surveying, Industrial Hygiene/Safety, HazMat/Homeland Security



## VELOCICALC VENTILATION METER

The high-resolution color screen displays multiple measurements simultaneously in real-time with on-screen prompts to guide you through instrument setup and operation.

The VelociCalc® Multi-Function Ventilation Meter 9600 series includes a built-in workflow for calculating the percentage of outside air used to determine ventilation effectiveness in a building or room. The VelociCalc® Pro adds built-in workflows for heat flow calculation and four methodologies for performing a duct traverse.

It's ergonomic design includes a probe holder and integrated magnets allowing for attachment to exposed ductwork, chemical fume hoods and biological safety cabinet frames for hands-free operation. These instruments are available with or without a differential pressure sensor, and are designed to work with a wide range of plug-in probes.

### FEATURES

- Large, high-resolution color display
- Intuitive menu structure allows for ease of use and setup
- User-customizable soft keys for quick access to common functions
- Integrated magnets for hands-free operation



## DWYER DIGITAL MANOMETER

Series 477 Handheld Digital Manometers are packed with features you need to make low pressure measurement and recording faster, easier and more accurate than ever. First, you can instantly select from up to nine of the most widely used pressure units without having to waste time and risk mistakes with tedious conversions. Next, a non-volatile memory function enables storage of up to 40 readings – perfect for HVAC technicians making Pitot tube traverses of airflow readings across a duct. The Series 477 is FM approved intrinsically safe for hazardous locations, Class 1, Div. 1, Group A, B, C, D, T4.

### AVAILABLE SIZES

- Backlight feature
- Electronic zeroing
- Audible alarm





# Groundwater

# Groundwater

## Water Level Loggers

An affordable, precise data logger that measures oxygen concentrations in lakes, streams, rivers, estuaries, and coastal waters. Recommended for aquatic biology and hydrology research projects, this easy-to-maintain logger uses RDO® Basic (Rugged Dissolved Oxygen) optical DO sensor technology.



## HOBO U20 WATER LEVEL DATA LOGGER

Featuring high accuracy at a great price and ease-of-use, with no cumbersome vent tubes or desiccants to maintain, this logger is ideal for recording water level and temperature up to 30ft depths in shallow wells, streams, lakes, freshwater wetlands (stainless-steel), saltwater/brackish wetlands and tidal areas (titanium).

### FEATURES

- Lightning protection – no long signal wires, and electronics are shielded in a metal housing
- HOBOWare Pro software provides easy conversion to accurate water level reading, fully compensated for barometric pressure, temperature, and water density
- Multiple-rate sampling allows faster sampling at critical times such as when pumping starts or stops
- Available in four depth ranges



## GEOTECH BLADDER PUMP, PORTABLE

Geotech's portable bladder pumps are designed with input from field technicians who actually do the sampling! Single turn release head and quick change bladders allow for quick, in-the-field bladder changes and easy decontamination. Custom hose barbs allow the pump to be secured to tubing without the need for tubing clamps.

### AVAILABLE SIZES

- .85" (2.2cm)
- 1.66" (4.2cm)

### FEATURES

- Constructed of 316 stainless steel
- Portable turnkey systems available
- Easy-to-open housings
- Quick-change bladder configuration



## GEOPUMP PERISTALTIC PUMPS

Pumping Rate of 0 – 350 RPM (1.7/revolution) Operate by mechanical peristalsis, minimizing the contact of the sample to just the disposable tubing. Can operate to a depth of 27 feet at sea level. \* Battery and Additional silicone & 1/4" LDPE Tubing available. Applications: Low Flow Sampling



### FEATURES

- Exceptional field durability
- Operate to a depth up to 29 feet (8.8 m)
- Variable speed control
- Designed for low-flow, purge and sample, discrete, and filtration
- Two pumping stations available; can be piggybacked for multi-station pumping

## GEOTECH GEOCONTROL PRO

The ultra reliable mini-compressor inside allows you to sample from depths to 180 feet (55m)! No more lugging heavy, dirty, and noisy compressors into the field or those dangerous nitrogen cylinders. The geocontrol PRO saves you time, saves your back and saves you money!



### FEATURES

- Compact and Portable
- Built-in high performance air compressor
- Built-in reverse polarity protection
- Operates from a 12V DC car battery
- Ask about our complete line of low flow sampling kits

## SPECTRA FIELD PRO PERISTALTIC PUMP

Waterra Spectra Field Pro Peristaltic Pump with Easy Load II, Analog controls, internal battery & cables Waterra introduces the Spectra Field-Pro — a state of the art peristaltic pump that features a heavy-duty, all-inclusive design. This means no external cables, chargers or batteries to worry about.



### FEATURES

- EZ-Load pump head design
- Heavy duty construction
- Battery included
- Built-in VOA stand
- Advanced electronic flow controller
- Pump head angled on top of unit

## WATERRA 1 UP PERISTALTIC SAMPLING PUMP

The Waterra 1 UP Peristaltic Sampling Pump can be powered by 110 and 220V AC, external 12VDC or its 12V internal battery. Suction lifts up to 8.5 m (27 feet). 4 choices of on board batteries: 12 or 20 Ahr batteries, in either (LIFE) LithiumIronPhosphate – great power curve, SLA (sealed lead acid) conventional but twice the weight.



### FEATURES

- Powered by 110 and 220 VAC, 12 VDC or onboard 12V battery
- Rugged construction with comfortable carrying handle
- Accommodates either waterra UP#15 or UP#24 peristaltic tubing
- Flow rates up to 1.5 litres per minute

## HYDROLIFT II

The Hydrolift-2 is a portable, electrically operated device that is used to automate the operation of the Inertial Pump. The Hydrolift is powered by a 3/4 horsepower electric motor (available in either 110 volt or 220 volt) and generates a 4 inch stroke at up to 200 cycles per minute. The Hydrolift II weighs only 35 pounds and requires an electrical power supply of at least 1000 watts.

### FEATURES

- Optimized to operate with the Standard Flow System
- The ideal choice for the frequent user of the Inertial Pumping System
- Maximum Depth: 150'
- Power Source: 110v



## SOLINST 3001 LEVELLOGGER 5

The 3001 Levellogger® 5 is a highly accurate water level and temperature datalogger. It is ideal for recording water levels in monitoring and production wells, boreholes, lakes, rivers, tanks, etc. The sealed design makes maintenance and cleaning a snap, and offers protection from power surges caused by pumps or lightning.

### FEATURES

- Accuracy of 0.05% FS
- Memory for 150,000 sets of readings
- Hastelloy® pressure sensor and temperature sensor



## SOLINST SONIC WATER LEVEL METER MODEL 104

The 104 Sonic Water Level Meter is a portable instrument that uses sound waves to simply and quickly measure depth to static water level in a well, piezometer, sounding tube, or any closed pipe.

### FEATURES

- Works in straight or crooked pipes
- Ideal for wells with difficult access
- Depth measurements to 600 m (2000 ft.) are possible.



## WATER LEVEL STATIC / DRAWDOWN 200M

The dipper-T2 water level meter is designed for well drillers, consultants, and hydrogeologists all across the globe. The Heron dipper-T2 is renowned for its premium, polyethylene coated yellow steel tape accuracy in measuring depth to water. Available in your choice of either metric or engineering scale.

### FEATURES

- Premium Stainless Steel Polyethylene Coated Tape
- Removeable 5/8" (15.9mm) Water Level Probe (IP68) w/ holder
- Electronic Panel with audio / visual signals and volume control dial (Fully Encapsulated to IP65)
- Sensitivity dial to tune out cascading water





## SS MONSOON SUBMERSIBLE PUMP

The SS Monsoon pump is capable of pumping up to 120 feet from ground level by simply connecting it to a 12 volt battery. Its reliable design is suitable for continuous purging of groundwater wells.

### FEATURES

- Includes flow controller
- Suitable for use in low flow sampling environments
- 120ft pump depth
- Easy to decontaminate



## SKINNY WATER LEVEL METER 60M

The SKINNY DIPPER water level meter is ideal for measuring static water levels in narrow wells, boreholes, tubes and piezometers. The slim line tape and ¼" probe enable users to take readings while the pump is still in the well, whereas wider tapes may get tangled. The premium padded carry case comes included to protect your precision instrument from the elements.

### FEATURES

- Electronic Module (IP65)
- Sensitivity Switch
- Probe (IP68)
- Padded Carry Case
- Vinyl Holding Grip
- Winding Handle



## OIL & STATIC INTERFACE METER

The H.OIL Oil/Water Interface meter is used to measure the interface level between two liquids in the same tank, vessel, well or aquifer. The premium padded carry case comes included to protect your precision instrument from the elements. Ideal for use in hazardous environments for Remediation Sites, Oil & Gas, Chemical and Petrochemical Industries. The hydrocarbon resistant Kynar jacketed, high tensile steel core tape is able to withstand hydrocarbons, solvents and other harsh contaminants.

### AVAILABLE SIZES

- 30m
- 60m



## DOWNHOLE CAMERA (150M)

The Heron dipper-See EXAMINER is a robust and cost effective vertical downhole inspection camera. Designed with portability in mind, this self-contained unit is ideal for viewing in wells, drains, vertical shafts, open bodies of water, boreholes and narrow tubes over 25mm (1") in diameter.

### FEATURES

- Built-in hanger
- Camera Probe
- Lens
- LED Lights
- Display Screen
- Monitor/Positioning Arm



## WATER LEVEL METER

The dipper-T water level meter measures static and falling head levels, casing length, and well depth. Its removable probe can be swapped for optional probes. Features include Auto-Sense and adjustable volume. This versatile tool is valuable for groundwater professionals and rural property owners in well-related tasks.



### FEATURES

- Premium Stainless Steel Polyethylene Coated Tape
- 5/8" (159mm) Water Level Probe (IP68) w/ holder
- Electronic Panel with audio and visual signals (Fully Encapsulated to IP65)

## SPECTRA BLADDER PUMP SIL 2.0

The Spectra Scientific Bladder Pump Sil 2.0™ is a simplified Bladder Pump designed to save Technicians Time and Energy on the Field. Current Bladder Pumps are not optimized for the demands of Field Work, they are difficult to use and time consuming to replace between wells.



### FEATURES

- Easy to Replace Silicone Bladder Sleeve
- Simple Design
  - Unscrew, Remove, Replace
- Save up to 5 minutes of cleaning and Bladder Replacement between wells

## SPECTRA HYDRO CONTROLLER

The Spectra Scientific Hydro Pro Controller is a Professional Grade microcontroller-based Air Compressor that is used as a Bladder Pump and Pneumatic Pump controller for both Groundwater Sampling and Well Remediation. With the ability to function as deep as 300ft the Hydro Pro is the most rugged and versatile Controller available. Used alongside the Spectra Bladder pump for groundwater sampling or the Spectra Pneumatic Pump for remediation.



### FEATURES

- Easy to use and operate.
- Intuitive display with wealth of information.
- 120 PSI full duty cycle Air Compressor.
- Vented internal components to prevent humidity build up.

## HONDA GENERATOR

Honda GXR120, OHC, 4-stroke commercial series engine. The GXR120 provides superb durability and reliability. Double your power, connect it with a EU2200i Companion model for up to 4,400 watts maximum of power (3,600 watts rated).



### FEATURES

- Quiet, portable, lightweight
- Gas powered
- Maximum AC Output (Watts): 2000
- AC Voltage Available: 120
- Weight: 46lbs
- 2 outlets



# Limnology & Fisheries Equipment

# Limnology & Fisheries Equipment

## Electrofisher



The LR-24 Electrofisher is a rugged 24V 400W battery powered electrofisher. It is suitable for extensive field work in any weather conditions. The LR-24 uses premium electronic components and circuitry housed inside of a custom molded plastic case.

The LR-24 is the most advanced electrofisher ever produced. The user interface is designed to make the LR-24 quick and easy to use. This has allowed us to offer a number of special features not available on previous backpack electrofishers.



## HESS SAMPLER W/ CC

Similar to Surbers but suitable for gravel and cobble bottoms. Cylindrical with enclosed sides and an open top, it has two strong reversible handles for forcibly pushing and rotating the cylinder into stream bottoms. The sampler penetrates 3 - 6" (75 - 150 mm). Once in place, scrub the pebbles inside so the specimens are carried by the current into the net. Water flows in through the upstream window and out the downstream window into the collecting net and bucket.

### FEATURES

- Fasteners: 18/8 stainless.
- Bottom open area: 0.086 m<sup>2</sup>
- Replacement nets available
- Includes 48-C60 adapter & 47-C- dolphin™ bucket

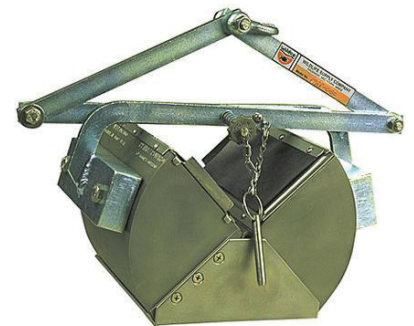


## STANDARD PONAR GRAB, 316 SS

Widely used in fresh and salt water for taking samples of hard bottoms such as sand, gravel, consolidated marl or clay, this sturdy dredge is a deliberately heavy device for biting deep into the bottom and has proven success at invertebrate recovery.

### FEATURES

- Center pivot for low bottom disturbance
- Tapered scoop edges for a clean cut
- Heavy duty hinges for high impact work
- Hefty scoop volume: 8200 mL
- Removable stainless steel top screens
- Self-releasing pinch-pin™
- Sample area: 229 x 229 mm (9 x 9")
- Volume: 8.2 Liter



## PETITE PONAR 6" X 6" ALL SS

This scaled-down sampler gives a whole new meaning to the word "petite." We mean it can be easily carried by one person in one hand. You may still need good muscle mass, but, since it weighs under 25 pounds, you can use it on a line without the winch and crane recommended for the larger version. This dredge shares the same basic design as our standard Ponar® sampler with stainless-steel construction and cast scoops. Uses 3/16"+ line or 61-B14 cable. Available with or without case.

### FEATURES

- Lighter by half than standard Ponar® Grab
- Designed for hand line operation
- Removable top screens
- Self-releasing pinch-pin™, heavy duty hinges
- Extra weights available for more penetration
- Center pivot for low bottom disturbance
- Sample area: 152 x 152 mm (6 x 6")

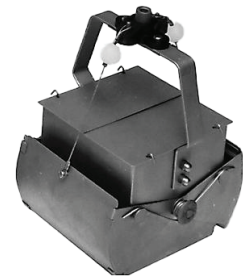


## EKMAN GRAB STANDARD (6 X 6 X 6)

This is the grab to choose for soft, finely divided littoral bottoms that are free from vegetation, such as sticks and decayed leaves (or with short, erect vegetation only) as well as intermixtures of sand, stones and other coarse debris. The specialized function of this dredge is the taking of quantitative and qualitative samples of macroscopic bottom fauna to determine the productivity of soft bottoms, particularly those composed of finely divided muck, mud, ooze, submerged marl and fine peaty materials.

### FEATURES

- 316 or 18-8 stainless steel construction
- Center pivot for low bottom disturbance
- Safe, reliable closing mechanism
- Wide base yields good stability despite its light weight



## KB CORER, HEAVY

This design incorporates improvements by Dr. R. O. Brinkhurst, Institute of Ocean Sciences, specifically for obtaining quantitative samples of fast-moving Tubificidae. Because the valve is locked open during descent, there is minimal frontal wave and minimal warning to fauna at the water/bottom interface. It is messenger-operated and is under your full control: you can keep the K-B® open until you are sure you have a sample.

### FEATURES

- For deep water over 100 meters
- For fauna at water/bottom interfaces
- Can be free-dropped up to 10 m (33')
- Unrestricted flow, little bottom disturbance
- Messenger closing for more control



## WILDCO HAND CORER, 20"

Here is a low-cost, foolproof sampler especially intended for shallow coring in fresh, salt or brackish waters. modular in design and are compatible with all head assemblies, with the exception of the flag sampler. Simply switch the head assembly on your core tube to convert it for use in different applications.

### FEATURES

- Stainless Steel – 20"
- Liner tubes and core catcher extra
- Extensions available upon request, total length 15

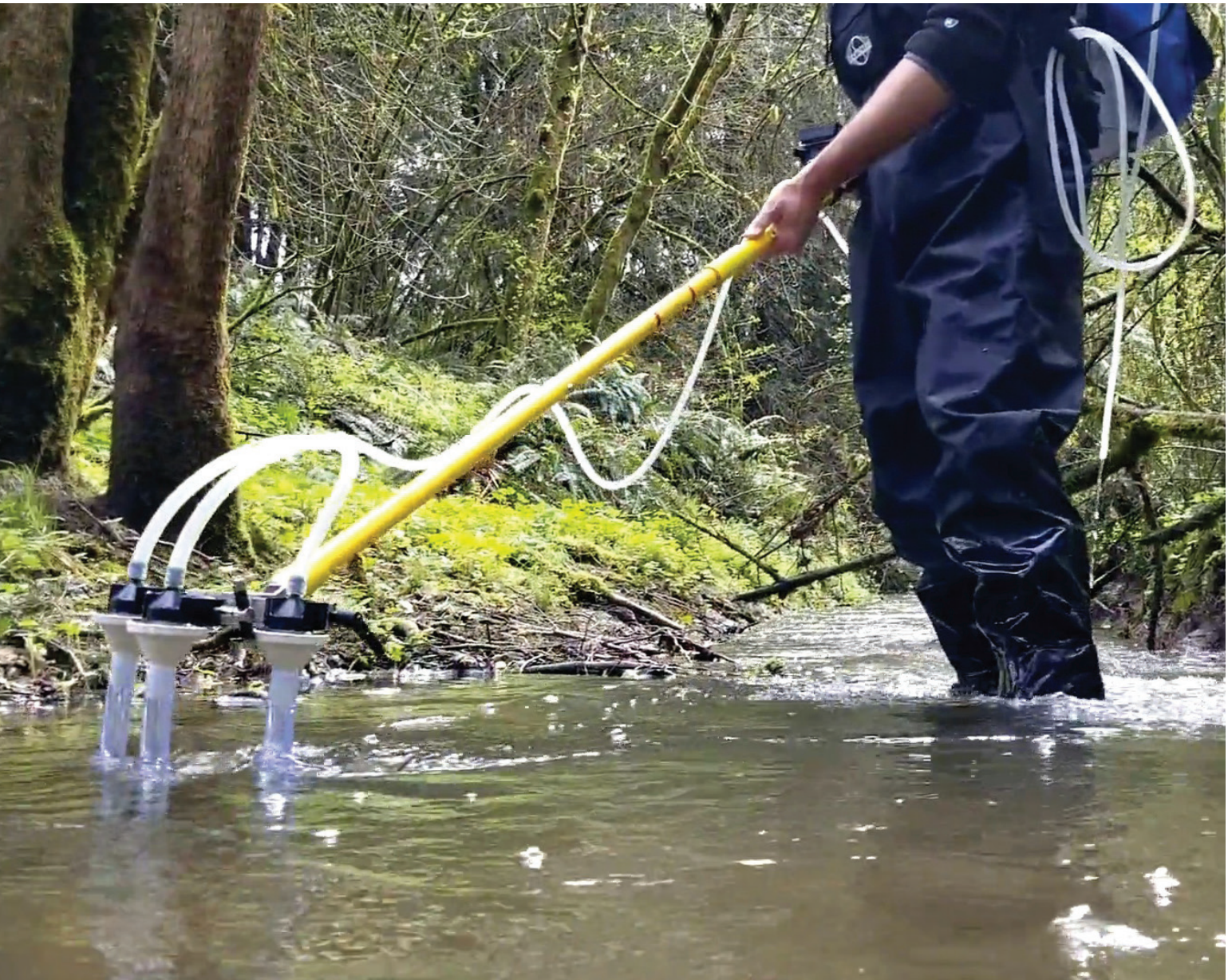


## EDNA SAMPLER BACKPACK

The Smith-Root eDNA Sampler is the world's first purpose-built eDNA sampling system. Designed for use with Smith-Root eDNA filter packets, the computer-controlled water pump gives you the ability to program the sample volume, regulate filtration pressure, set specific flow rates and standardize your sampling process. The onboard GPS automatically geotags your samples and the computer creates a complete data log of every sampling event in .csv files accessible via USB. It is the only system capable of mobile eDNA filtration. Filter like a pro with the most advanced eDNA sampling system on the market.

### FEATURES

- 3x Lead Acid Batteries
- Battery Charger
- eDNA Sampler Manual
- Trident Pole
- Tubing/ DNA filter packs sold separately





# Moisture Density Gauges

# Moisture Density Gauges

## Soil Density Gauge

Introducing TransTech Systems next generation Non-Nuclear soil density gauge, the SDG 200. This version of the SDG is fully equipped with a touch screen and a user friendly graphical user interface. The SDG 200 uses Microsoft Windows CE for smooth operation, easy software upgrades and enhanced user support.



## PAVEMENT QUALITY INDICATOR

The PQI 301 is designed and built to provide quick and accurate readings of density, temperature and moisture content on hot mix asphalt pavements.

Unlike nuclear gauges, the PQI 301 takes accurate readings in about three seconds, allowing the test technician plenty of time to run a series of tests, then get out of the way of the roller. Over the past decade, the PQI has been used by numerous contractors, QC/QA facilities and highway officials, with superb results. Its electromagnetic field is far safer than devices based on nuclear sources and it costs ten times less to own and operate.



### FEATURES

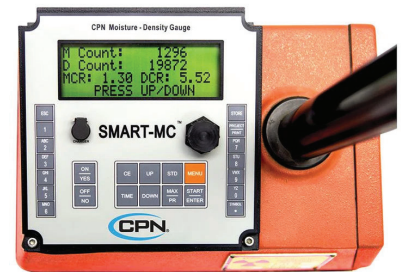
- Lightweight
- Easy to transport, calibrate and use

## CPN NUCLEAR GAUGES

Smart-MC™ is a simple, drop-in upgrade which gives new life to your older MC-1DRP and MC-3 gauges. Smart-MC offers a variety of operator friendly features such as a new backlit display and keyboard, test storage capability and cable-free download. Your test can be easily stored, printed or saved to a USB thumb drive. The improved software is easy to navigate with a well thought out keypad layout and simple on screen instructions. Regional restrictions apply, *see local rental office for clarification.*

### FEATURES

- Plug and Play Installation
- User friendly Software
- Backlit 4x20 LCD display with 9mm characters for maximum visibility
- USB flash drive storage for cable-free data download
- High reliability, updated and improved electronic design
- Illuminated keypad for night work





## XPLORER 3500 NUCLEAR GAUGE 12"

Operation is straightforward and uncomplicated. Menu options are easy to read and navigate. A backlit LCD screen and special scroll functions allow operators to easily read the Xplorer's two-line display during day or nighttime work. The simple keypad layout and program design will permit technicians to quickly move from other moisture density gauges to the Xplorer 3500. All components have been scrutinized for over two years showing better performance and reduced maintenance costs when compared to other gauges. Regional restrictions apply, *see local rental office for clarification.*

### FEATURES

- Thoroughly tested for ruggedness and accuracy
- Battery Saver and IntelliCharge extend battery life



## XPLORER 2 NUCLEAR DENSITY GAUGE 12"

Rugged. Dependable. Advanced. AASHTO T-310, ASTM D6938, C1040, D2950, D7759 and D7013 The All NEW Model 3500 Xplorer 2 offers the latest in nuclear gauge technology with advanced features and increased dependability. Reporting software built into the new X2 Mobile Application can send all test results via email with just a few clicks. Regional restrictions apply, *see local rental office for clarification.*

### FEATURES

- Large backlit LCD and keypad makes reading test results easy at night or in direct sunlight.
- Displays GPS geographic coordinates and altitude information
- Bluetooth® enabled for easy data transfer to any Android® smartphone or tablet
- First nuclear gauge with an integrated battery port for connection to supported external gauge position monitoring/tracking devices.



## TROXLER NUCLEAR GAUGES

The Troxler Model 3450 gives you the fast, accurate, and consistent results you need to fulfill the testing requirements on today's construction projects. The Model 3450 provides the basic features required for determining the density of asphalt, soil, aggregate or concrete and the moisture of soil or aggregate. It and the other gauges in the 3400 series have replaced conventional density test methods and have become the industry standard. Regional restrictions apply, *see local rental office for clarification.*

### FEATURES

- A backlit screen provides exceptional viewing for low-light and nighttime testing.
- An adjustable beeper signals test completion over the roar of traffic or heavy equipment.



## RADIATION SURVEY METER

The MONITOR 4 and MONITOR 4EC are compact, general purpose survey meters capable of detecting alpha, beta, gamma, and x-rays over 3 selectable ranges. A red count light flashes and a beep sounds with each event detected. The Monitor 4EC offers a more accurate linear reading for gamma and x-rays (above 40 keV).

### FEATURES

- Internally mounted beeper (can be switched off for silent operation)
- Meter will hold at full scale in fields as high as 100 times the maximum reading





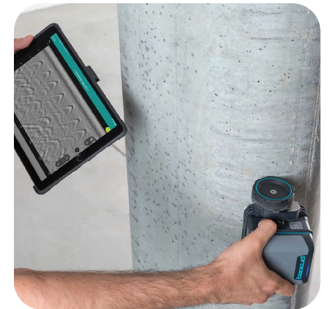
**NDT Equipment**

# NDT Equipment

## Proceq GP8800 GPR



Proceq GP8800 is yet another revolution by Proceq in concrete inspection and imaging. The rugged, lightweight Swiss Made probe packs our unique radar technology in a tiny footprint with gigantic clarity and depth. This makes it possible to locate rebar and tendon ducts by inspecting overhead, in tight spots, close to walls, from the edge of the slab—and in congested spaces, such as underneath pipes. Proceq GP8800 is the only ground penetrating radar in the market that offers complete, wireless autonomy and flexibility in a mini, ultraportable, lightweight probe that connects to iPad over encrypted Wi-Fi. There is no need to connect Proceq GP8800 to any master GPR device with long, thick, and fragile cables that adversely impact data quality.



## PROCEQ GS8000 PRO SUBSURFACE GPR

Screening Eagle Technologies has launched the Pro variant of its revolutionary subsurface detection and mapping system, GS8000, pre-configured for all-terrain use and complete with useful accessories for all environments.

### FEATURES

- Off-road wheels – with larger diameter and on a different position to overcome obstacles.
- Off-road underbody – for better roll back on uneven surfaces.
- GNSS pole fixation kit – to prevent wobbling while moving on uneven surfaces.

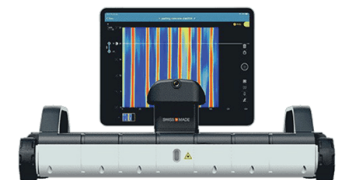


## PROCEQ GP8100 GPR

Highly productive portable concrete GPR array, enabling quick object detection and superior data collection. Applications: Concrete inspection of large areas in all buildings or bridge decks / Object detection and damage prevention before drilling, coring or cutting into concrete / GPR data collection for concrete structural assessment and post-processing data

### FEATURES

- Large scan width, high scan rate, and best-in-class penetration depth.
- Fast detection of objects of any size with the superline scan view
- Dense, accurate GPR data collection in one superline scan



## PROFOSCOPE

The Profoscope is a versatile, fully-integrated rebar detector and cover meter with a unique real-time rebar visualization allowing the user to actually “SEE”, the location of the rebar beneath the concrete surface to a maximum depth of 180 mm. This is coupled with rebar-proximity indicators and optical and acoustical locating aids. Rebar diameter can also be estimated within the specified testing range. The Profoscope combines these unique features in a compact, light device that allows the user to operate this rebar detector with one hand making the task of locating rebars a simple and efficient process. In addition, Proceq’s rebar detector convinces through its intuitive user interface making rebar detection easy.



### FEATURES

- A rebar detector with real-time visualization of the rebars beneath the instrument
- Visual indication of rebars in close proximity
- The Profoscope is a rebar detector with the ability to identify the mid-point between rebars as well as the orientation of rebars

## SCHMIDT TEST HAMMER TYPE N

The Original Schmidt will hit at a defined energy whereas its rebound is dependent on the hardness and is measured by the instrument. The Original Schmidt is available in models with different impact energies, each test hammer designed for a specific test application, in order to meet the needs of the customers to investigate a wide range of material types and sizes, such as bridge decks, thin walls, cast stone components or small components.



### FEATURES

- Standards: ASTM C 805, ASTM D 5873(Rock)
- Type N: Rebound values are read from a scale for subsequent calculation of the mean. Compressive strength values can be read from a conversion diagram





**soil**

## Soil

### Tempos Thermal Prop Analyzer

The new TEMPOS is different. Reinvented it from the ground up to give you higher accuracy in much less time, at a price you can afford. Not only that, improved proprietary algorithms enable the TEMPOS to make these measurements with an incredible one-minute read time (versus the usual 10-15 min.). Each needle produces only a discrete amount of heat, virtually eliminating the moisture movement (or free convection in liquids) that could alter a reading. Short heating times mean you can use the TEMPOS to measure frozen materials and even fluids. No other analyzer on the market can measure frozen or wet materials accurately.



### GUELPH PERMEAMETER KIT

Guelph Permeameter Kit, consists of: permeameter field tripod, well auger, well preparation and cleanup tools, and vacuum test hand pump, in a durable carrying case.

This is an easy to use instrument for quickly and accurately measuring of in-situ hydraulic conductivity. Measurements can be made in the range of 15 to 75 cm below the soil surface.

#### FEATURES

- Supports the following standards: ASTM D5126
- Ideal for the following applications: Soil Permeability, Environmental Monitoring, Mining, Soil Physics



### PROCHECK LOGGER MOIST/ TEMP/ EC

The latest version of the ProCheck (the ProCheck C) includes the ability to calculate and display the average and standard deviation for sequentially collected portable measurements.

#### 5TE MEASURES

- Soil Moisture
- Soil Temperature
- Bulk Electrical Conductivity



## HAND AUGERS

**EDELMAN AUGER, 7CM D**

**SPIRAL AUGER, BOTTOM PART, BAY., Ø 4 CM**

**RIVERSIDE AUGER**

Hand auger equipment is extremely suitable for soil research.

As almost any type of soil sets its own demands where it concerns the model of the auger to be applied. In the course of the years many models have been developed. Years of experience and many contacts with soil researchers at home and abroad made it possible to achieve the optimum design for various types.

### INCLUDES

- 100cm Extension (Total Length: 2m)
- 2x Coupler's





# Sound & Vibration



# Sound & Vibration

## Sound Level Monitor

The Sonitus Systems EM2030 is a fully automated, remote sound level monitor. With an extended measurement range and automatic audio capture options, the EM2030 provides a reliable measurement system for all environmental and industrial applications.



## AVATRACE M80

The AvaTrace M80 vibration measurement field instrument with sensors records, processes and temporarily stores measurement data from vibrations and air shock waves locally in the instrument. Measurement data is automatically transmitted over the mobile phone network and the Internet.

### FEATURES

- Reliable and safe measurement
- Simple field handling
- 240 days of battery operation
- Long recording time



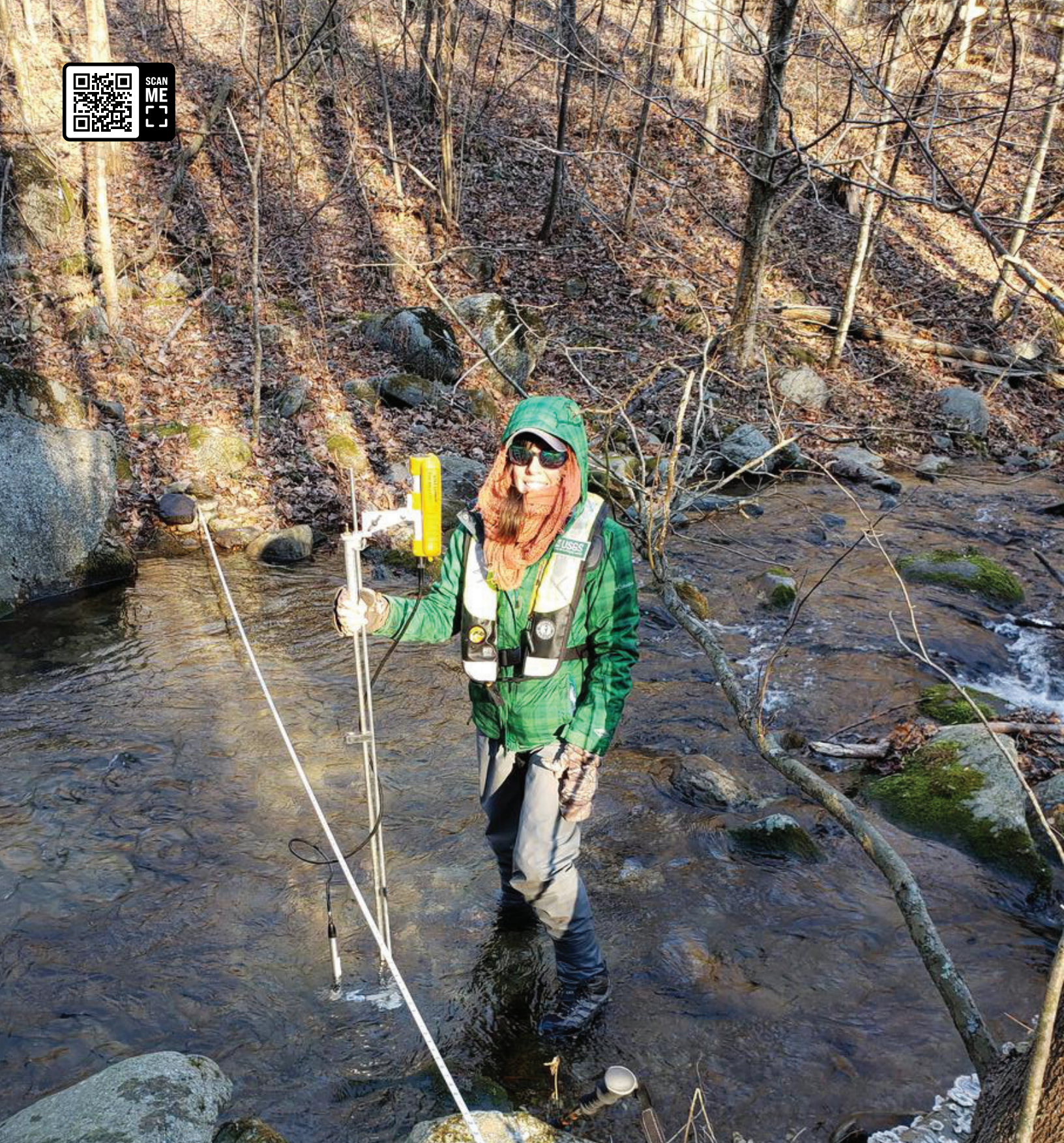
## EM2030 SOUND LEVEL MONITOR

The EM2030 is a fully automated, remote sound level monitor. The unit is designed for simple operation and reliability in tough environments. The EM2030 is the latest in our series of automated noise monitoring systems.

### FEATURES

- Automatic measurement and communication
- Low Power Option Extend battery life and tackle any application
- Fully Automated Operation Save time and costs
- Weatherproof microphone
- Automatic upload to secure cloud-hosted analysis system





# Water Measurement

# Water Measurement

## rQPOD Remote Control Boat

The rQPOD Modular Remote Survey Boat is a lightweight, portable solution for conducting and recording water surveys. With 2 removable, field-serviceable thrusters and colour coded parts and cables for easy assembly, the rQPOD is ready to go wherever you need it.



## SWOFFER CURRENT METER W/ ROD

The Model 2100 Current Velocity Meter provides stream current measurements from 0.1 to 25 feet per second by reading directly in feet or meters per second. Velocity is shown on a display readout and units of measure are selected by a toggle switch located inside the battery compartment at the back of the indicator.

### FEATURES

- 2" diameter
- Propeller style
- Velocity range 0.03 – 7.5m/s
- Accuracy: +/- 1% with user calibration



## MF PRO VELOC/ DEPTH SENSOR

The OTT MF Pro is a user-friendly, low maintenance electromagnetic current meter for cost-efficient in-stream discharge measurement. The OTT MF pro saves time in the field by automatically calculating discharge and its electromagnetic sensor head is maintenance-free, ideal for use in low-flow environments, and unaffected by large amounts of organic matter.

### FEATURES

- Discharge automatically calculated
- Real-time velocity
- Maintenance-free
- Versatile applications
- User-friendly handheld
- Depth sensor



## FLOWTRACKER2

The new FlowTracker2 (FT2) handheld Acoustic Doppler Velocimeter (ADV®) has all the technology you have grown to know and trust with the original FlowTracker, but now comes with functional, modernized features (Bluetooth, GPS and large color screen, to name only a few) based on the evaluation and feedback from hydrologists, researchers and scientists who have made the FlowTracker their instrument of choice.

### FEATURES

- Rely on FT2 to automatically conform to proper methods based on depth
- View beam check or QC plots directly
- Get real-time plots of velocity and other parameters



## SONTEK RS5 ADCP W/ RTK

Want to know what the discharge data collection buzz is about - you're at the right place! The SonTek-RS5 is the world's most compact and robust ADCP for collecting river, stream, and canal discharge data. The RS5 is small yet powerful. When paired with the custom-designed Torrent Board Micro and SonTek-RTK, you will be ready to quickly collect the highest quality water velocity and flow measurement possible regardless of your environmental water monitoring takes you.

### FEATURES

- Vertical Acoustic Beam
- 360° compass and two-axis tilt sensor



## RS5 ADCP WITH GNSS RECEIVER + TORRENT BOARD

Want to know what the discharge data collection buzz is about - you're at the right place! The SonTek-RS5 is the world's most compact and robust ADCP for collecting river, stream, and canal discharge data. The RS5 is small yet powerful. When paired with the custom-designed Torrent Board Micro and SonTek-RTK, you will be ready to quickly collect the highest quality water velocity and flow measurement possible regardless of your environmental water monitoring takes you.

### FEATURES

- Vertical Acoustic Beam
- 360° compass and two-axis tilt sensor



## RIVERSURVEYOR

Conceived to advance measurement practices, the RiverSurveyor S5 system gives a whole new perspective to the notion of measuring open channel hydraulics. Multiple acoustic frequencies fused with precise bandwidth control make for the most robust and continuous shallow-to-deep measurements ever. A deterministic microcontroller expertly apportions the proper acoustics, pulse scheme, and cell size so you can focus on the measurement - not the instrument setup.

### FEATURES

- Vertical beam for precise channel definition



## SONTEK-IQ PLUS

Ideal for monitoring flows in canals, culverts, pipes, and natural streams, the SonTek-IQ starts with a custom flow algorithm derived from hundreds of field measurements. Four velocity beams profile water velocity in 3-D – both vertically and horizontally – ensuring complete coverage of the velocity field. The built-in pressure sensor and vertical acoustic beam work in tandem to measure water level. Simply input the channel geometry using the intuitive SonTek-IQ software and you are outputting flow data in minutes.



### FEATURES

- Self contained all-in-one design
- Proprietary flow algorithms for irrigation canals, natural streams and pipes
- Uses SonTek's exclusive SmartPulseHD adaptive sampling

## AQUA DATA FLOSTICK RC4 WATER VELOCITY METER

The Aqua Data FloStick RC4 Water Velocity Meter is a stand-alone instrument comprising velocity probe, wading rod and display housing, all in a single integrated package. It uses the Faraday principle of electromagnetic induction and advanced analogue and digital electronics to offer an accurate, robust and low cost method of measuring water velocity, and logging data for later analysis.



### FEATURES

- Wider measurement range from true zero to 2m/s (3m/s optional)
- Reverse or saturated flow is indicated
- Exceptional sensitivity, ideal for measurements in very shallow and sluggish flows

## AQUA DATA FLUVIA RC3 ELECTROMAGNETIC WATER VELOCITY METER

The FLUVIA RC3 flow meter is a portable electromagnetic device that measures the velocity of water to determine its flow. Its hydrodynamic shape and small probe size permits measurements close to a fluid surface, channel bed or pipeline wall, and with no moving parts, it does not retain debris – guaranteeing accuracy and reliability.



### FEATURES

- IP67 Environmental Rating
- Rechargeable, 20hrs continuous use battery life
- Multilingual – English, French, German, Spanish, Dutch, Danish – other languages on request

## SOMMER TQ SYSTEM

The discharge measurement is performed by using the well-established tracer-dilution method. The system can be deployed in turbulent rivers, creeks or waters for which data regarding the cross-section profile are not available or unknown. It is used salt (NaCl) as tracer material.

### FEATURES

- Simple, mobile discharge measurement
- Reliable results even without knowledge and independent of the cross-section profile
- Suitable for fast-flowing, turbulent waters or where access is limited
- Environmentally friendly, harmless for water



## CEELINE HYDROGRAPHIC KIT

CEE-LINE™ is a big echosounder in a tiny package, designed for survey applications where size is critical. Waterproof, powerful, and practically indestructible.

The CEE-LINE™ offers hydrographic survey grade echo sounder performance in a miniscule package hardly wider than the transducer cable. With an indestructible weatherproof coating the CEE-LINE™ is ideal for unconventional survey applications where minimizing size and weight is crucial. Able to operate in dual frequency 33/200 kHz mode the CEE-LINE™ transforms your analog sonar transducer into a survey echo sounder.

### FEATURES

- Single beam echo sounder performance in miniature.



## REMOTE CONTROL ARC BOAT

Used to deploy a wide range of Acoustic Doppler Current Profilers (ADCP) and other instruments, ARCboats are remote controlled survey vessels developed by HR Wallingford. ARCboats are safer than manned vessels as operators can survey from the bank rather than venturing out on to the water. They also minimize disruption to the environment, as they are operated by extremely quiet, zero emission electric motors.

### FEATURES

- Carry a variety of ADCPs and other instruments
- High quality data collection with minimal under-hull air entrainment
- Robust and reliable design



## DXN ULTRASONIC FLOW METER

The Dynasonics DXN meter is a powerful tool for troubleshooting flow issues, whether you want to quickly verify the flow reading of another meter or to data log flow system values over an extended time period. The DXN portable meter has transducers that clamp onto the outside of the pipe—no tapping or cutting is required. The meter can be easily moved and installed in different locations. The large color display makes it easy to read and the setup wizard walks you through the meter configuration steps.

### FEATURES

- Touch-screen featuring job-specific controls
- Large, full color display for easy-to-read screens
- Data log flow, temperature and other instrumentation





# Water Quality

# Water Quality

## Photometer 9500

The YSI 9500 is an economical photometer in a small package for any application. This portable photometer allows you to easily take readings directly in the field for 100+ parameters.



## TURBIDITY METER, 2020WE

One of the most innovative, WATERPROOF, handheld meters available on the market! The multi-detector optical configuration assures long-term stability and minimizes stray light and color interference.

### FEATURES

- Unit of measure: NTU, AU, ASBC, EBC
- Range: 0-4000 NTU/FNU, 0-10, 500 ASBC, 0-150 EBC
- Light Source: Tungsten (EPA) complies with EPA 180.1 Standard 860 LED (ISO) complies with ISO 7027



## TURBIDITY METER, 2020I

New RATIOMETRIC design in one of the most innovative, WATERPROOF, handheld meters available on the market! The multi-detector optical configuration assures long-term stability and minimizes stray light and color interference. The new ratiometric design allows for easy and accurate testing. The nephelometric mode measures 0-40 NTU/FNU, ratiometric mode 40-1000 NTRU/FNRU and 1000-2000 AU.

### FEATURES

- Waterproof to IP67
- Lithium rechargeable battery
- USB port
- 7 languages
- Backlit display
- EPA and ISO versions





## HOBO ODO LOGGER

An affordable, precise data logger that measures oxygen concentrations in lakes, streams, rivers, estuaries, and coastal waters. Recommended for aquatic biology and hydrology research projects, this easy-to-maintain logger uses RDO® Basic (Rugged Dissolved Oxygen) optical DO sensor technology.

### FEATURES

- Affordable, high performance dissolved oxygen (DO) monitoring with 0.2 mg/L accuracy
- Optical DO sensor technology for long-lasting calibration with less maintenance
- HOBOware Pro's Dissolved Oxygen Assistant software corrects for measurement drift from fouling; provides salinity-adjusted DO concentrations and percent saturation



## HORIZONTAL ALPHA BOTTLE , ACRYLIC, (2.2L)

Intended for shallow or deep waters, these bottles are called "horizontal" because they descend, parallel to the bottom. They are pulled sideways just before closing by the operator. This ensures a representative water sample for that specific depth. They are ideal for sampling at the thermocline, at other stratification levels, or just above the bottom sediments.

### INCLUDES

- 100' rope
- Messenger

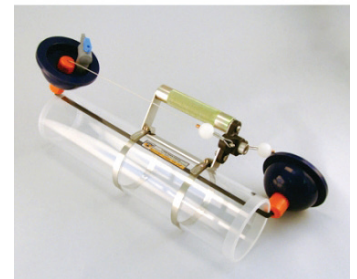


## 2.2L AND 4.2L BETA BOTTLE

For obtaining water samples at depth from a lake or other source. Bottle is ideal for Trace Metal or Organic Sampling (no metal parts touch sample & silicone gaskets). Vertical and Horizontal models available. Bottles sold separately need an 11 ounce messenger to operate.

### INCLUDES

- |                  |              |
|------------------|--------------|
| • Beta Bottle    | • Messenger  |
| • Polyester line | • Carry Case |



## KEMMERER BOTTLE

These Kemmerer water samplers have no metal parts to contact your sample. Delrin fasteners and an O ring replace the stainless steel garter spring in the All-Angle™ trip head. The bottle body can be either transparent acrylic, which allows you to view your sample before removal, or opaque PVC for greater durability. The all-plastic center shaft is made of plastic CPVC with a plastic delrin nut on its bottom. Designed for trace metal sampling due to silicone seals.

### FEATURES

- 2.2L clear acrylic main tube
- 4.2 opaque PVC main tube
- PVC centre shaft
- Suitable for trace metal and organic analysis



## ICLISTEN RB9-X2 HYDROPHONE

The icListen HF-X2 Smart Hydrophone is the industry's most sensitive broadband digital hydrophone. It's a compact, all-in-one instrument capable of processing data while collecting in real-time.

### FEATURES

- Visualize and log Sound Exposure Levels in Real Time
- Display waveform and spectrum data
- High Frequency X2 Applications



## FREE & TOTAL CHLORINE MTR

Combines accuracy and ease of use in an ergonomic, portable design, the photometer allows the user to accurately determine the concentration of free and total chlorine in a variety of water samples within a 0.00 to 5.00 mg/L (ppm) range using ready-made reagents. Features a CAL Check™ function used for performance verification and calibration of the meter.

### FEATURES

- Built in timer
- Indexing indent on meter
- Cooling Lamp Indicator
- Auto-shut off



## EXO1S SONDE

EXO Multiparameter Sondes — the best-in-class platform for the highest quality data. EXO's dynamic range of smart sensors provides comprehensive multiparameter water quality data while SmartQC ensures proper calibrations and top sensor performance. You can be confident in your extended deployments thanks to EXO's tough materials and unmatched anti-fouling technology.

### FEATURES

- Attachment to an AUV or aerial drone
- Integration with a buoy
- Horizontal profiling where lightweight is optimal



## EXO1 SONDE

A YSI multiparameter instrument that collects data with up to FOUR user-replaceable sensors and an integral pressure transducer for depth. Each sensor port on the sonde accepts any EXO water quality sensor and automatically recognizes it.

### FEATURES

- New Operating System
- New laser-welded titanium smart sensors
- New wet-mateable sensor ports
- New Bluetooth wireless communication
- New USB connectivity



## EXO2 SONDE

The next generation water quality platform.

### FEATURES

- New Operating System
- New laser welded titanium smart sensors
- New wet-mateable sensor ports
- New Bluetooth wireless communication
- New USB connectivity



## EXO3 SONDE

Offering the greatest value of any sonde available on the market, EXO3 combines the maneuverability of the EXO1 with the powerful antifouling wiper of the EXO2.

EXO3 is a purpose-built sonde for monitoring major water quality parameters, including: pH, conductivity, temperature, turbidity, and dissolved oxygen.

### FEATURES

- High-accuracy sensors with on-board memory
- Wireless communications
- Seamless integration into marine, estuarine, freshwater & ground water monitoring systems



## X2 TELEMETRY LOGGER, CELLULAR

An all new data logger offering the latest in real-time monitoring technology with wireless communication, a large plug-and-play sensor library, and ultra-low power consumption. The X2 rental kit is only compatible with the YSI EXO3 sonde.

### FEATURES

- Smartphone Interface
- Device-to-Web
- Measurement Versatility
- Easy Install
- Watertight Housing



## PRO QUATRO CABLE

Combine 4 sensors on a single cable for comprehensive multiparameter sampling to measure temperature/ conductivity, DO, pH and ORP, ammonium, chloride, or nitrate. Pairing the ProQuatro with the 4-port cable creates an extremely powerful handheld multiparameter water quality instrument.

### FEATURES

- Applications: surface, well, & monitoring
- Flow cell available
- Cable lengths: 4m, 10m



## ODO DIGITAL CABLE

An evolution of the Professional Series water quality meters, the ProSolo DIGITAL handheld replaces the ProODO as YSI's most advanced optical dissolved oxygen field meter. Paired with the latest optical DO and temperature (ODO/T) probe, the ProSolo benefits from years of expertise in cutting-edge dissolved oxygen technology.

### FEATURES

- Higher accuracy with no stir dependence
- Less drift over time; holds calibration longer
- Less maintenance; no membranes or electrolyte



## PRODSS

The YSI ProDSS (digital sampling system) handheld multiparameter meter provides extreme flexibility for the measurement of a variety of combinations for dissolved oxygen, turbidity, conductivity, specific conductance, salinity, resistivity, total dissolved solids (TDS), pH, ORP, pH/ORP combination, and temperature along with depth and GPS.

### PARAMETERS

- pH
- Oxidation Reduction Potential (ORP)/Redox
- Optical Dissolved Oxygen
- Turbidity
- And more



## PROSAMPLE PORTABLE AUTOMATED SAMPLER

YSI's ProSample portable samplers feature a proprietary peristaltic pump for highly accurate sampling in applications such as surface water, stormwater, and wastewater.

### FEATURES

- High sample volume accuracy
- Easy to transport
- Double-walled and insulated for longer ice retention
- Simple programming and calibration



## AQUAFUOR (RHO/ FLUOR)

AquaFluor® is a lightweight, inexpensive, handheld fluorometer/turbidimeter ideal for field use. Perfect for the user who needs quick measurements away from the laboratory. Dual-channel capability allows users to measure fluorescence and turbidity in one sample.

### FEATURES

- Dual channels allow for quick toggling between two applications
- Small size easily fits in shirt or jacket pocket
- Dustproof and watertight for field use, it even floats!
- Single-point plus blank calibration



## FULLSIZED PORTABLE SAMPLER (ISCO 6712)

6712 Controller allows you to select different programming modes to assure the most suitable routine for your application. Programming is fast and simple, with on-line help just a key stroke away.



### FEATURES

- Rugged ABS plastic shell
- Foam-insulated base holds up to 30 pounds (13.5 kg) of ice to preserve samples even in extreme conditions
- Sample delivery at the EPA-recommended velocity of 2 ft/sec., even at head heights of 26 feet

## CASTAWAY

The Sontek CastAway™ CTD is the world's first handheld castable instrument that provides instantaneous profiles of temperature, salinity, and sound speed. Oceanographers, hydrologists, and surveyors now have the ability to quickly collect reliable data from any dock, bridge, or boat.



### FEATURES

- GPS position, date, and time
- Fast sampling and sensor response
- Waterproof interface works in and out of the water
- Bluetooth wireless communication

## PRO1030, 4M

Rugged and reliable, the YSI Pro1030 provides everything you need in a handheld instrument for the measurement of pH along with temperature, conductivity, specific conductance, salinity and total dissolved solids (TDS).



### PARAMETERS

- pH
- Conductivity
- Specific Conductance
- TDS
- Temperature

## FEDERAL METRIC SNOW SAMPLER KIT

The Federal Sampler is the most popular snow sampler used to determine snow density and Snow Water Equivalent (SWE). Each 30" (76.2 cm) section is consecutively laser engraved with graduations every half-inch (1 cm), and the sensitive spring scale is dual graduated in centimetres SWE. Standard accessories include a drive wrench, thread rotector, spanners, cleaning pole and nylon carrying case.



### FEATURES

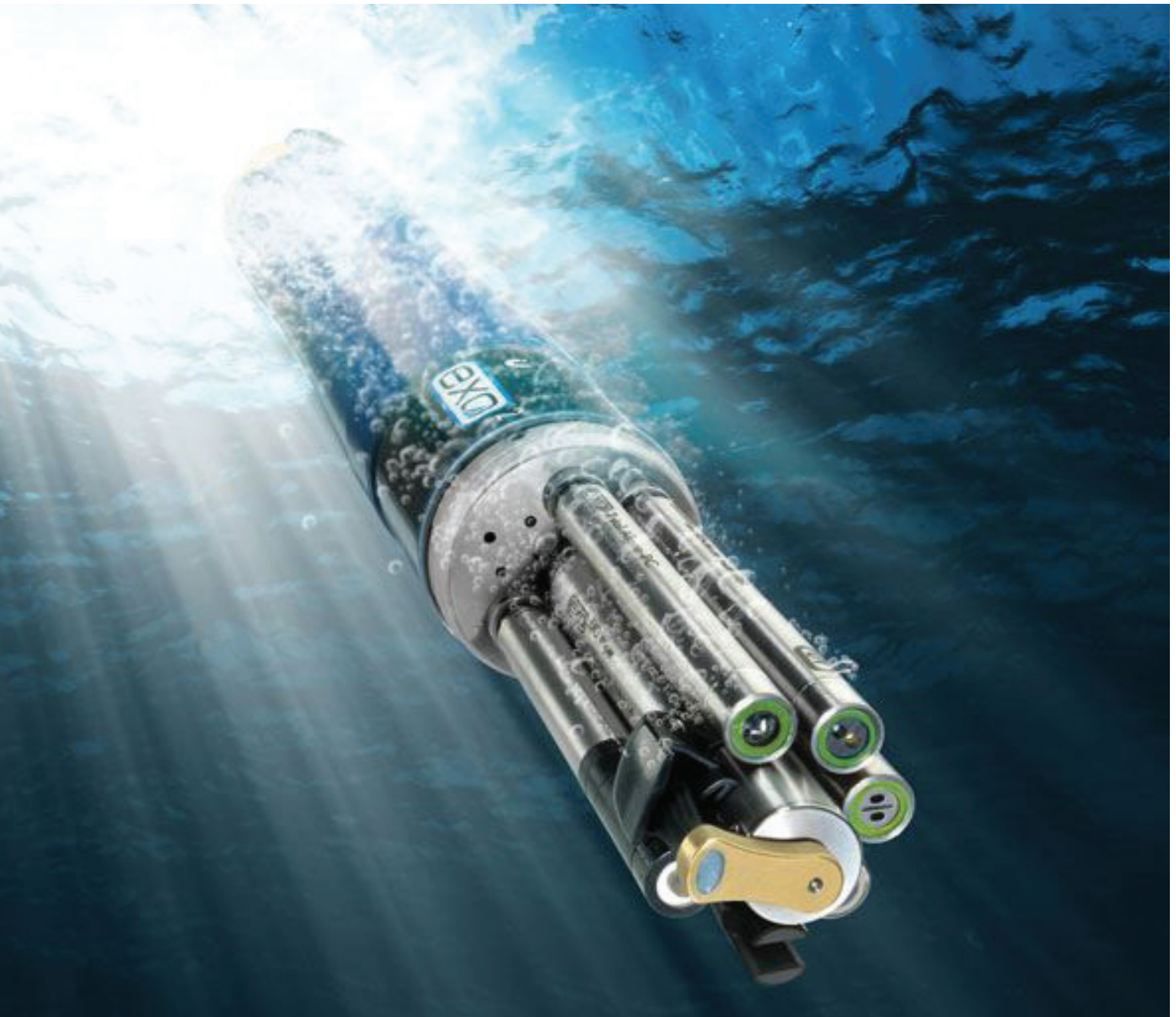
- Premium Stainless Steel Polyethylene Coated Tape
- 5/8" (159mm) Water Level Probe (IP68) w/ holder
- Electronic Panel with audio and visual signals (Fully Encapsulated to IP65)

## S321 SMART ANTENNA

The S321 provides a robust performance and high precision in a compact and rugged package.

### FEATURES

- Atlas™ L-band global corrections
- Athena™ RTK engine for instantaneous high accuracy
- Wi-Fi, UHF, Cellular, and Bluetooth communication ports
- Powerful web UI control accessed via Wi-Fi
- 4GB Internal memory for data logging, download, and upload
- Rugged enclosure for use in the most demanding environments





# Miscellaneous

## Miscellaneous



### Rugby 810 Laser Level

The Rugby 810 is an amazing one button horizontal laser level designed to eliminate user error the toughest laser level available on the market.

Featuring a working range of 800m, unique unbreakable Li-Ion Battery, optional solar panel & in-car charging & IP68 water & dust protection.

- One-button self-leveling horizontal rotating laser
- Single slope grades up to 45 ° with optional manual slope adapter
- Toughest laser level on the market – IP 68 water & dust protection



## GRABNER MINIVAP

MINIVAP VP Vision is a highly versatile portable vapor pressure tester that features best-in-class precision and a pressure range of 0-2000 kPa. It is the first analyzer that demonstrates excellence in engineering by earning certificates for robustness and durability.

### FEATURES

- The most accurate Mini-Vapour Pressure Analyzers available in the world
- New technology piston and valve systems allow for better accuracy
- Wide pressure range from 0 – 2000kPa
- Incredibly simple “1 touch” user interface
- Powerful backend software for central control of 1 or multiple machines



## LATITUDE E6420 XFR FULLY RUGGED LAPTOP

The Latitude™ E6420 XFR notebook offers strong performance and reliable data protection in a design that's built to withstand the most challenging environments.

### FEATURES

- Real-world rugged
- Operating System: Windows® 7 Professional.
- Field-ready: Enjoy a clear view of your work even in direct sunlight with the 14" WLED display featuring DirectVue™ technology.





## MAGNETIC LOCATOR GA-52CX

Easy-To-Use - The GA-52Cx Locator detects the magnetic field of iron and steel objects and energized power lines. Both provide audio detection signals that peak in frequency when the locator's tip is held directly over the target.

### FEATURES

- High Sensitivity with 5 Levels
- Audio Output
- No response to aluminum, brass, or copper
- HeliFlux® sensors
- Modular construction; high performance components Rhodamine



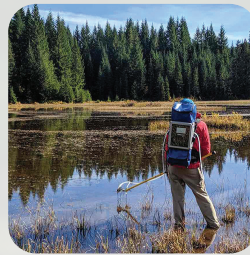
# RENTALS CATALOGUE



**Air & Gas**



**Groundwater**



**Limnology  
& Fisheries  
Equipment**



**Moisture  
Density  
Gauges**



**NDT Equipment**



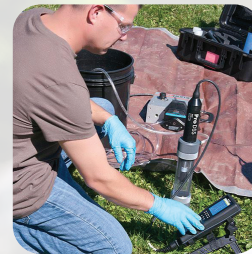
**Soil**



**Sound and  
Vibration**



**Water  
Measurement**



**Water Quality**



**Miscellaneous**

**Daily, weekly and monthly rental rates available.  
Contact us for a quote!**

**British Columbia & Yukon**  
3735 Myrtle Street  
Burnaby, BC  
V5C 4E7  
T: (604) 872-7894  
F: (604) 872-0281  
vancouverrentals@hoskin.ca

**Prairie Provinces, Nunavut  
& NWT**  
11540 184 St NW  
Edmonton, AB  
T5S 2W7  
T: (780) 434-2645  
edmontonrentals@hoskin.ca

**Ontario & Atlantic Canada**  
#5-3280 South Service Rd, W  
Oakville, ON  
L6L 0B1  
T: (905) 333-5510  
F: (905) 333-4976  
oakvillarentals@hoskin.ca

**Québec**  
300 Rue Stinson  
Montréal, QC H4N 2E7  
T: (514) 735-5267  
F: (514) 735-3454  
locationmontreal@hoskin.ca