



# PRODUCT GUIDE

## SUBSURFACE INSTRUMENTS



Advanced Underground Locating  
and Detection Equipment



**GlobalTroxler**

GLOBALTROXLER.CA

1-866-300-9012

# PVC/PE PIPE LOCATORS

PATENTED UNDERGROUND PVC/PE PIPE DETECTION. FCC, IC & EU/CE APPROVED

## AML+™ SERIES

### The Proven & Trusted Way To Find PVC Pipes, PE Pipes & Nearly Any Other SubSurface Object

The new and Improved AML+™ is based on a proven and patented scientific technology that utilizes modulated, ultra-high radio frequencies. It locates nearly any subsurface material with an edge including plastic, metal, wood, cable and concrete. The AML is the trusted and most reliable all material locator in the industry.

- New Microprocessor Intelligence
- Patented Radio Wave Technology
- Durable ABS Housing
- 9 Sensitivity Settings
- Headphones
- USB Powered Port
- Rechargeable Lithium Battery
- 3 Year Limited Warranty

#### Housing Color Options



Includes impact resistance and waterproof case

## AMLPRO™ SERIES

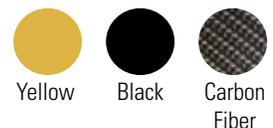
### Find Buried PVC/PE Pipes Using GPS & Advanced Digital Patented Technology

The all-new AML PRO™ is a feature-rich scientific instrument that utilizes modulated, ultra-high radio frequencies to find differences in subsurface densities. It offers the best method for locating PVC & PE pipes and nearly any other object that has an edge. Redesigned specifically for the utility, water, gas, cable and petroleum industries, the AML Pro allows professionals to locate objects faster, while maximizing job efficiency.

- New Microprocessor Intelligence
- Patented Radio Wave Technology
- Lightweight Construction (2.5 lbs.)
- Noise Isolating Headphones
- Rechargeable Lithium Battery
- Customizable User Preferences
- USB Powered Port

- Durable ABS Housing
- Backlit Display
- GPS Plotting & Tracking
- 32 Sensitivity Settings
- Digital Leveling Meter
- Digital Targeting Indicator
- 3 Year Limited Warranty

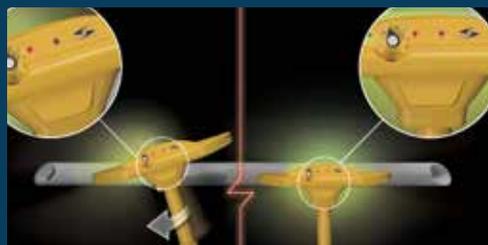
#### Housing Color Options



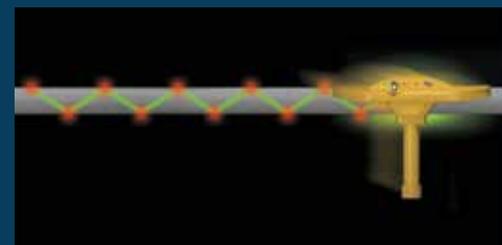
Includes impact resistance and waterproof case



Holding the AML's handle parallel to the ground, scan the area of the undetectable buried object until one or both of the target indicators activate.



While the left or right target indicator is activated, rotate the AML until both LED target indicators light, triggering the AML's tone and laser marker. This alert indicates that the pipe or object has been detected.



You may now scan the entire length of the object's edge. Utilize the "W" method of scanning by sweeping the area in a back-and-forth "W" motion, marking the object's location.

# MAGNETIC LOCATORS

DURABLE MAGNETIC LOCATORS WITH SIMPLE, ONE-HANDED OPERATION.



## ML - 1

### Magnetic Locator with Simple, One-Handed Operation

The ML-1 is one of SSI's most popular magnetic detection products. Whether you're seeking corner markers (iron or steel), well casings, steel drums or septic tank handles, this is the "go-to" magnetic locator. The ML series offers simple, one-handed operation with an easy-to-learn keypad and audio confirmation. The ML-1 features strong monotube construction, providing structural integrity you can count on.



## ML - 1M

### Magnetic Locator Technology with Digital Metrics

In addition to the features of the original ML-1, the ML-1M is metered, offering you added features without added complexity. The digital meter provides for visual signal strength, polarity indication, gain setting plus battery life display.



## ML - 3S (40" length)

### Magnetic Locator Offering Durable, One-Handed Operation that's 100% Waterproof

The ML-3 Short is 40" to meet utility and surveyor personal preferences, providing ergonomic, rugged, one-handed operation. The ML-3 offers unparalleled durability and is housed inside aircraft-grade aluminum monotube. The ML-3 is digitally tuned and 100 percent waterproof up to 220 feet - a first for the industry - so it can be used in inclement weather and submerged conditions. Plus, its auto-zero feature allows the user to "cancel" ambient magnetics or magnetic gradient in the environment.



## ML - 3L (55" length)

### Magnetic Locator Offering Durable, One-Handed Operation that's 100% Waterproof

Featuring the same technological advances as the ML-3 Short. At 55" long, the ML-3 is the longest magnetic locator on the market. It allows the operator to make the biggest sweeps possible without compromising accuracy or functionality.

## SPECIALTY EQUIPMENT



## BHG (Bore Hole Gradiometer)

### Locates Large Ferrous Metal Objects by being Lowered into Drilled Boring Holes

The Bore Hole Gradiometer (BHG) finds the presence of any ferrous metal in the ground. Featuring two sensors, it works similarly to the magnetic locator and can also be used in water, making it ideal for construction and utility companies.



## MUL - 1 (Magnetic Underwater Locator)

### Durable Magnetic Detector Finds Metal Immersed in up to 1,000' of Water

Find metal immersed in depths as shallow as 10' of water to depths over 1,000'. Sensors are housed inside machined titanium for superior durability and strength. No other underwater locator can go deeper, and its long sensor allows for convenient boat towing.



## LC 2500

### Powerful Leak Noise Correlator

Designed to be powerful, durable and accurate, the LC2500 Leak Noise Correlator creates and displays a correlation "picture" in the form of distances to a leak from opposing pre-amp transmitters. The unit is very sensitive, yet able to work accurately in direct sunlight, freezing temperatures and inclement weather.

# LEAK DETECTORS

EASY-TO-USE LD WATERLEAK DETECTORS EFFECTIVELY SCREEN OUTSIDE NOISE.



## LD - 7

### Economical Water Leak Detection

Designed for all water leak detection applications, including leak surveys and leak pinpointing. Use the magnetic base or contact rod for leak surveys at hydrants, valves or meters.

- Compact amplifier with mute switch, fits inside the user's hand.
- Designed for all the water leak detection applications, including leak surveys and leak pinpointing.
- Extremely compact and lightweight. Easily fits inside the cab of a truck.



## LD - 8

### Simple, yet Sensitive Leak Detection

Designed specifically for "water leak surveys" done by water departments, districts, local governments and private agencies concerned about "unaccounted-for water losses."

- Amplifier with push button ON/OFF switch, volume control, two digit display of loudness, and three-range sensitivity switch.
- Notch filters reduce A/C hum from transformers, power lines, etc.
- Simple and compact, great for leak surveys.



## LD - 12

### The Professional's Water Leak Detector

An industry standard for the Water Utility industry. The LD-12 water leak detector is easy-to-use, featuring six filters that screen outside noise and zero in on water leaks.

- Considered a top choice leak detection locator.
- Large meter display, allowing the user to pinpoint the exact location.
- Six selectable filters, split into three "low side" filters and three "high side" filters.
- High-sensitivity ground microphone and low "electronic noise" amplifier combine to offer the best quality sound leak detection.
- Ground plate, magnetic base and contact rods accessories for pinpointing leaks.



## LD - 15

### Highly-Sensitive Leak Survey Technology

The new LD-15 Professional's Leak Survey Instrument offers the highest sensitivity and the best audio quality ever offered in an acoustic listening device by SSI.

- Simple and quick way of surveying for water leaks.
- High sensitive sensor, extra strong and water proof (submersible).
- Survey for leaks at hydrants, valves and meters.
- Use the high filter range for water leak surveying. Use the low filter range for water leak pinpointing.



## LD - 18

### Advanced Digital Leak Survey Technology

The new LD-18 Digital Water Leak Detector is the first water leak detecting instrument to offer automatic noise reduction from intermittent interfering noises, like passing vehicles, people talking, and pedestrian footsteps.

- All-digital amplifier with automatic noise reduction of environmental sounds, high and low filters, storage and graphing of leak noises at different locations on pipe.
- Uses bar graph and numeric display of sound loudness, USB connection, and back light.
- Five high frequency filters, three low frequency filters (plus low filter OFF), and 2 notch filters (plus notch filter OFF) to remove continuous interfering noises.

# PIPE & CABLE LOCATORS

DURABLE UTILITY, PIPE AND CABLE LOCATORS.



## PL - 960

### Multi-Frequency Utility, Pipe & Cable Locator with 3 Signal Options (27 kHz, 83 kHz and 334 kHz Frequencies)

The PL-960 multi-frequency pipe and cable locator has evolved into one of the leading pipe and cable locators on the market today, featuring a pull-out foot for more accurate depth measurements. The PL-960 has active frequencies of 27 kHz, 83 kHz, and 334 kHz plus 3.0 watts output power in the transmitter in the Direct Connection mode. The PL-960 receiver offers 4 different operating modes: Peak, Null, Bar, and Sonde, allowing the user to select the best mode for his field conditions and preferences.



## PL - 960AC

### Multi-Frequency Utility, Pipe & Cable Locator with AC Location Capabilities (27 kHz, 83 kHz and A/C Live Cable Mode of 50/60 Hz)

The PL-960AC is similar to the PL-960 except that the 334 kHz frequency is replaced with A/C Live Cable mode of 50/60 Hz, has detection of cathodic protection lines and push-button depth measurement. The PL-960AC offers the same 4 operating modes: Peak (for accurate locates and depth measurement), Null (for fast tracking), Bar (for even longer distances), and Sonde (for locating sonde transmitters). With frequencies of 27 kHz, 83 kHz, and A/C live cable and cathodic protection lines detection, the PL-960AC is the most powerful and versatile locator available on the market.



## PL - 1500 LOW FREQUENCY

### (8 kHz Receiver, 3.0 Watt Transmitter and A/C Live Cable Mode of 50/60 Hz)

## PL - 1500 HIGH FREQUENCY

### (83 kHz Receiver & 1.0 Watt Transmitter and A/C Live Cable Mode of 50/60 Hz)

The PL-1500 pipe and cable locator is a single frequency locator that comes in a 8 kHz Low or a 83 kHz High model. The PL-1500 is a very durable unit that is a work of art in its simplicity of use and sophistication of operation. The PL-1500 receiver has a very fast response, an automatic sensitivity adjustment switch, and push-button depth measurement. The PL-1500 Low transmitter has 3.0 watts output power in direct connection mode, allowing even longer locates down pipes and cables.



## PL - 2000

### High Power, Multi-Frequency Utility, Pipe & Cable Locator (512 Hz, 8 kHz and 27 kHz Frequencies)

The PL-2000 has active frequencies of 512 Hz, 8 kHz, and 27 kHz, plus passive radio frequency and A/C detection in the PL-2000 receiver. Use the 3.0 watts output power in the direct connection mode to drive the 8 kHz signal hundreds (even thousands) of feet down iron pipes and metal conductors. Use one of the four operating modes (Peak, Null, Dist, and Sonde) in the PL-2000 Receiver depending upon the site conditions and the user's preferences. Also features Radio, Live Cable and Sonde modes with push button depth.





## **AN INNOVATIVE DESIGN FORCE IN SUBSURFACE DETECTION & LOCATION**

SubSurface Instruments is an innovating force that engineers, manufactures and distributes high-frequency and magnetic locators, pipe and cable locators, leak detectors, leak correlators, bore hole gradiometers and specialty locators.

SSI's most recent innovation, the AML or All Materials Locator, locates buried PVC pipes, PE Pipes, plastic or nearly any other subsurface object more efficiently than ever before. Using patent-protected technology developed by SSI, the AML detects buried PVC pipes and other objects that magnetic locators can't find.

SSI features a vast line of professional underground and underwater locator products for every need including surveying, construction, ordnance removal, excavation and exploration. Our customers from the petroleum, water, sewer, power, telecom, cable and gas industries rely on SSI's reliability and dependability to make crucial measurements in the world's most challenging conditions. SSI's products are proudly made in the U.S.A. and offer an industry-leading warranty.

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