

SubSurface



Instruments

www.ssilocators.com

NEED TO LOCATE BURIED PVC?



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photos & more
information



AML | ALL MATERIALS LOCATOR

- Designed to find buried PVC pipes & PE pipes
- Patented radio frequency technology
- Lightweight, durable construction
- FCC Approved

SPEND LESS TIME SEARCHING FOR BURIED PVC PIPES WITH THE AML™ (ALL MATERIALS LOCATOR)

Patented Radio-Frequency Technology Proudly Made in the USA by SubSurface Instruments, Inc. FCC Approved.

The AML (All Materials Locator) is a revolutionary, scientific instrument that will change the way you locate buried PVC pipes. The AML is a highly-sensitive patented tool that utilizes advanced, ultra-high microwave frequencies to find **plastic PVC pipes and nearly any other subsurface object that has an edge**. Utilizing technology that was originally developed for lunar exploration, the AML will locate subsurface materials indiscriminately - **plastic, metal, wood, cable or pipe**. Unlike the deficiencies of GPR (or Ground Penetrating Radar), the AML will function in clay, wet soil, snow or standing water without the need for a separate transmitter and receiver, wires, clips or clamps. Designed specifically to locate PVC piping for the utility, water, gas and cable industries, the AML's lightweight, patented technology allows it to locate objects faster... while maximizing job time efficiency.

POWER & MULTI-POSITION SENSITIVITY SWITCH

This switch controls the unit's power supply and sensitivity. Once the unit is on, the operator can choose high to low sensitivity settings depending on each job's conditions.

LED POWER INDICATOR

The power indicator emits a bright green LED light when the unit is on. This LED also serves as the battery life indicator. It will alternate between green and red to indicate low battery life, blinking red more often as the batteries deplete. This feature will provide you with ample warning time to complete your current job before needing to change power.

GROUND-PENETRATING, ULTRA-HIGH FREQUENCY MICROWAVE TRANSMITTER

Using advanced circuit board technology, a powerful 2.4 GHz ground-penetrating, ultra-high frequency locates PVC pipes. Man-made objects with a straight edge create a change in conductivity, density and/or permeability from surrounding materials, causing a reflection or refraction that is detected by the AML.

LASER TARGET INDICATOR

An easy-to-see laser indicator marks the PVC pipe's position on the ground when it has been detected.

ULTRA-HIGH FREQUENCY MICROWAVE RECEIVERS

Highly sensitive left and right side receivers intercept frequency reflections and refractions set off by the edges of buried PVC pipes. When the unit is positioned adjacent and parallel to a pipe, both left and right target indicators are activated. With both target indicators activated, the user can identify the pipe's location and run direction utilizing slow and deliberate movements.

>> See videos, photos & additional information about the AML by scanning our QR code.

See the Entire Technologically Advanced SSI Locator Product Line at

WWW.SSILOCATORS.COM



EASY BATTERY ACCESS

Powered by a convenient 9-volt battery system, the AML features long, powerful on-the-job usage between battery changes.

ERGONOMIC HANDLE

An ergonomic handle provides a firm grip in any weather condition.

RIGHT SIDE & LEFT SIDE TARGET INDICATORS

Easy to read left and right LED target indicators identify when a PVC pipe has been located, and when the pipe is in parallel with the AML. Audio and laser target indicators work in unison with the right and left LEDs to alert the operator of a pipe's presence, and to place its location.

LIGHTWEIGHT, DURABLE CONSTRUCTION

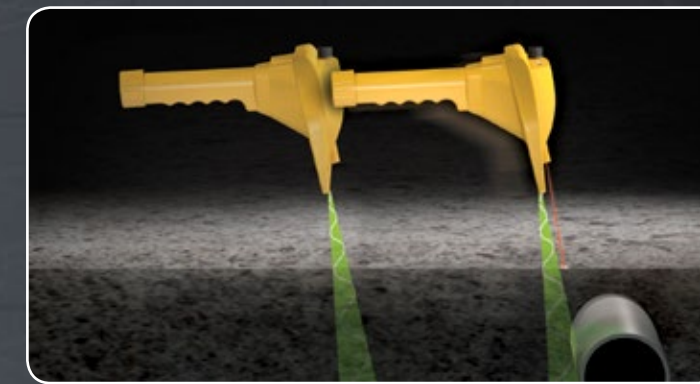
The brightly colored AML is constructed from lightweight, shock-resistant materials that make it easy to use and handle throughout the work day.

DURABLE CARRYING CASE

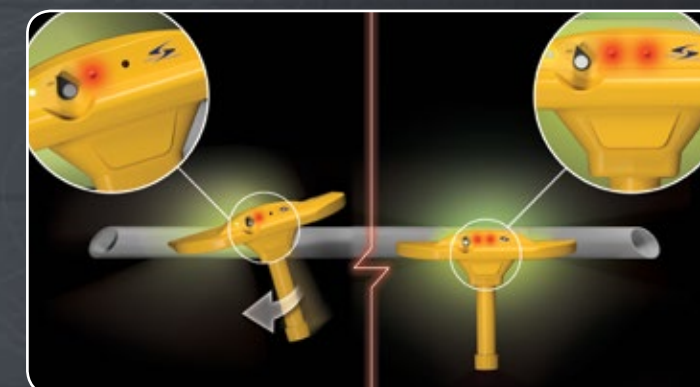
The AML is a highly technical scientific instrument. To protect it, an impact resistant and water proof carrying case with shock-absorbant foam housing insulates your AML while in transit or on the job site.

UNDERSTANDING ULTRA-HIGH FREQUENCY MICROWAVES

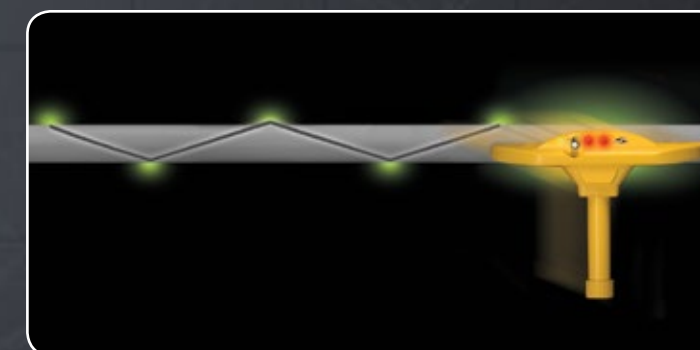
The key to how the AML works is to understand how its ground-penetrating radio frequency detects PVC pipes.



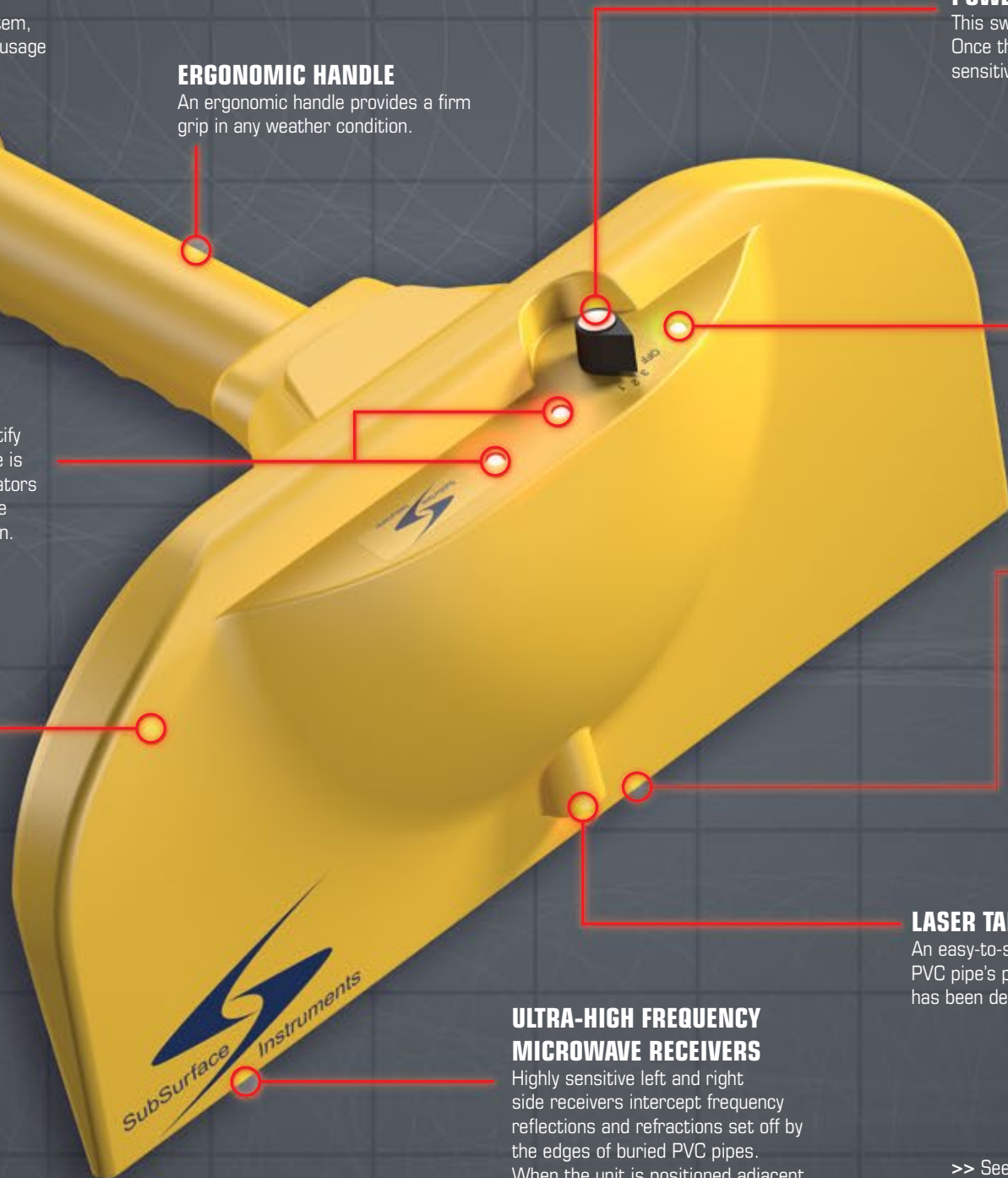
Holding the AML's handle parallel to the ground, scan the area of the suspected pipe or buried object until one or both of the AML's target indicators activate.



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



With the AML in parallel with the pipe or underground object, you can now scan the entire length of the object's edge. As an alternative, utilize the "W" method of scanning by sweeping the area in a back-and-forth "W" motion, marking the object's location and run direction as it is tracked.



AML (ALL MATERIALS LOCATOR)

PRODUCT INFORMATION

Physical Dimensions

Height 11"
Length 14"
Width 6"
Weight 2.0 lbs
Single-Hand Operation

Power Specifications

Batteries (3) 9-Volt Alkalines
Est. Battery Life typical life 40 hours per Battery Pack;
minimum life 7 hours at continuous
full power usage per Battery Pack
Transmitter Frequency 2.45 GHz

Shipping Dimensions (with Carrying Case)

Cube 19"l x 15"w x 8"h
Weight 14 lbs

Includes

(1) AML Unit
(2) Battery Packs (Housing (3) 9-Volt Batteries)
(1) Foam-Insulated Hard Case
(1) User's Guide
(1) Training Video
Batteries Included

Patented Technology
FCC Approved
IC Approved
CE Approved
Made in the USA



USAGE & TRAINING

The AML is a highly sophisticated PVC pipe locating tool. It is the responsibility of the operator to quantify the validity and accuracy of each reading. To ensure proper usage and operation in the field, SSI has developed an online video training program, and provides free factory training. To view the AML training video, or to learn more about the product, **scan the adjacent QR code** or **visit www.ssilocators.com**.

SATISFACTION GUARANTEE

AML units in like-new condition may be refunded in full for a period of 30 days from purchase.

WARRANTY & REPAIR

The AML is guaranteed to be free of defects in material and workmanship for a period of (3) years / (36) months to the original end-user purchaser. Physical abuse, battery acid and water damage, as determined at the sole discretion of SubSurface Instruments, Inc., are explicitly and entirely excluded from this warranty. SubSurface Instruments' liability under this warranty is limited to repair, service, or replacement of the product, at the sole discretion of SubSurface Instruments, Inc. No other warranty is expressed or implied.



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