

**THERE'S A BETTER WAY**





# SPEND LESS TIME SCRATCHING AROUND IN THE DIRT WITH THE ALL MATERIALS LOCATOR (AML)<sup>™</sup>

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

The All Materials Locator (AML) is a revolutionary scientific instrument that will change the way you locate metallic and non-metallic underground objects. The AML is a highly sensitive patented tool that utilizes advanced, ultra-high microwave frequencies to find nearly any 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 for the needs of the utility, water, gas and cable industries, the AML's lightweight, patented technology locates more, faster... while maximizing job time efficiency.

## 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

Ergonomic handle provides a firm grip in any weather condition.

## POWER & 3-POSITION SENSITIVITY SWITCH

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

## UNDERSTANDING ULTRA-HIGH FREQUENCY MICROWAVES

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

## RIGHT SIDE & LEFT SIDE TARGET INDICATORS

Easy to read left and right LED target indicators identify when an object has been located, and when the object 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 an object's presence, and to place its location.

## 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, and flashes when battery power is low.



First, sweep the area of interest in a back and forth "W" action, completely scanning the area for buried objects. The left or right target indicator will activate, with an audio tone and laser marker, when an object is detected.

## 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.

## GROUND-PENETRATING, ULTRA-HIGH FREQUENCY MICROWAVE TRANSMITTER

Using advanced circuit board technology, a powerful 2.4 GHz ground-penetrating, ultra-high frequency locates objects. 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.



While the left or right target indicator is activated, rotate the AML until it becomes parallel with the subsurface object. Both the left and right LED target indicators will light simultaneously when the unit is in parallel and in alignment with the object.

## LASER TARGET INDICATOR

An easy-to-see laser indicator marks the target position on the ground when an object 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 objects. When the unit is positioned over and parallel to an object, both the left and right indicators are activated. The user can then track the object in slow and deliberate movements, identifying its shape, location and run direction.

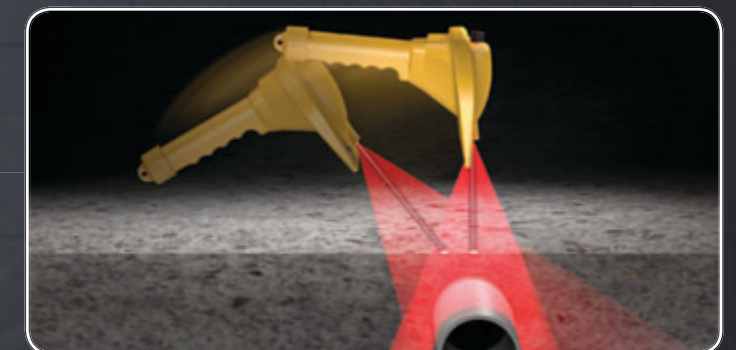
## DURABLE CARRYING CASE

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

>> 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](http://WWW.SSILOCATORS.COM)



Pivot the AML until it is perpendicular to the ground, and directly above the target. You can now scan the ground in parallel for the entire length of the object, marking its location and run direction as you track it.





# ALL MATERIALS LOCATOR (AML)

## 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 ..... 4 Hours per Battery Pack  
Transmitter Frequency ..... 2.45 GHz

### Shipping Dimensions

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  
Made in the USA



## USAGE & TRAINING

The AML is a highly sophisticated 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](http://www.ssilocators.com)**.

## SATISFACTION GUARANTEE

AML units in good 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 12 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.

Units in need of repair may be shipped to SubSurface Instruments, Inc.



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