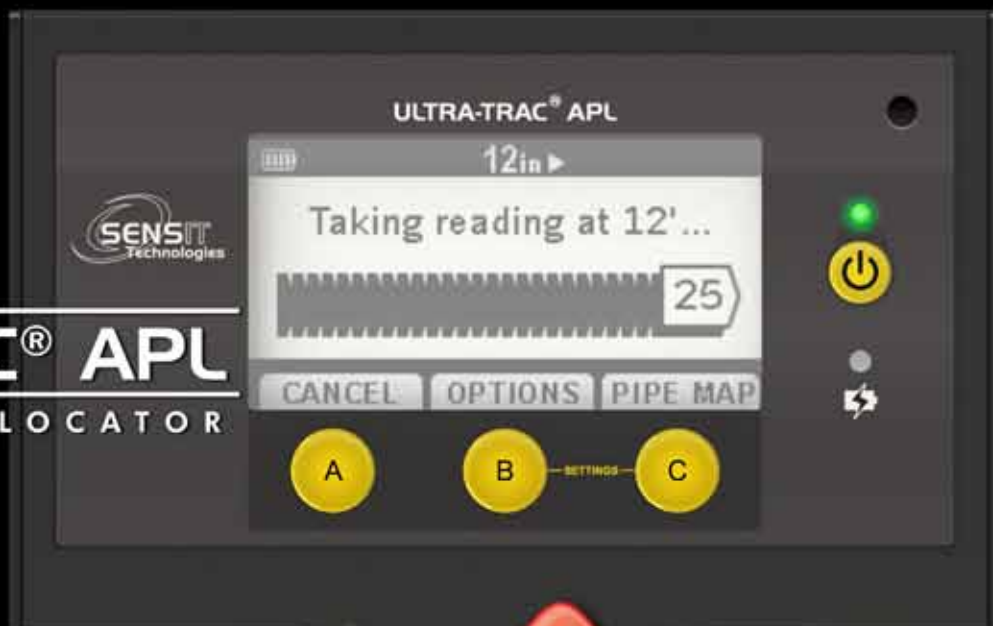
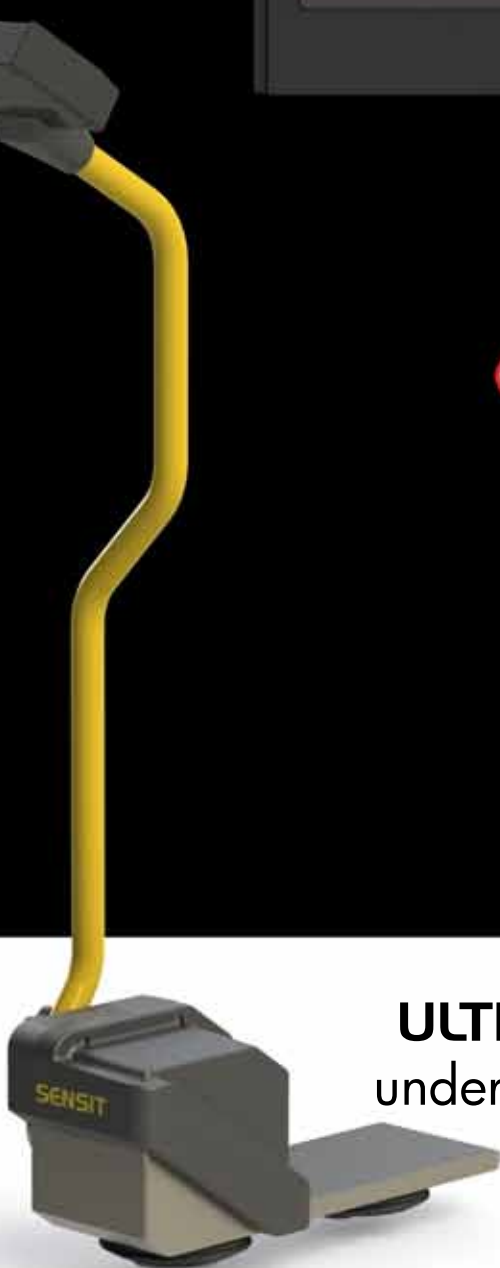


**ULTRA-TRAC® APL**  
ACOUSTIC PIPE LOCATOR



**IDEAL FOR  
LOCATING  
PLASTIC  
PIPE!**



**ULTRA-TRAC® APL** finds unmarked underground pipe fast and accurately!

MADE IN USA



Innovative Detection Solutions

[www.gasleaksensors.com](http://www.gasleaksensors.com)

# ULTRA-TRAC® APL

## ACOUSTIC PIPE LOCATOR

**ULTRA-TRAC® APL** is the perfect choice when it is necessary to accurately locate unmarked, underground piping systems. Natural gas, water and sewer laterals are easily traced using state-of-the-art acoustic technology.

The **APL** will significantly reduce the number of unlocatable pipes and identify potential cross bore risk locations when using HDD technologies.

### APL Benefits:

- Easy to use
- Easy to interpret
- Locates systems in minutes
- No system access required
- Operates in soil, grass, concrete, gravel and asphalt ground covering

### APL Standard Features:

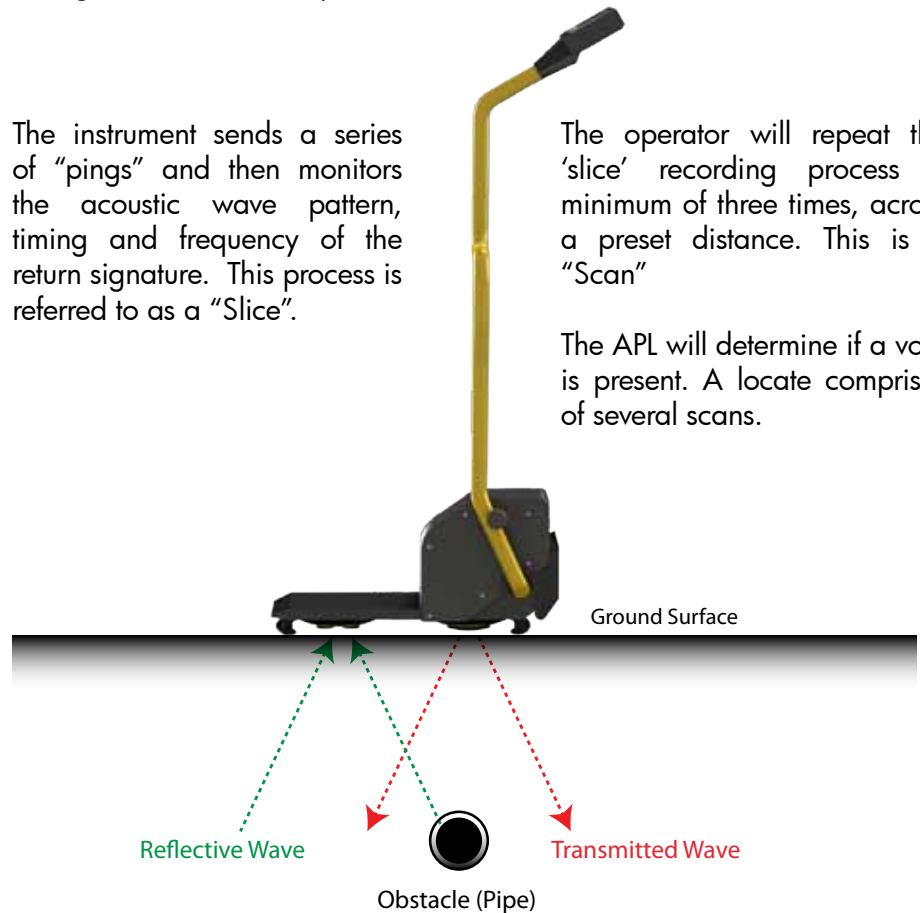
- Large Graphic Display
- Rugged Construction
- 25 Hour Recharge Battery Life
- Compact Storage

**ULTRA-TRAC® APL** locates the voids in the ground created by a pipe through the science of impedance mismatch.

The instrument sends a series of “pings” and then monitors the acoustic wave pattern, timing and frequency of the return signature. This process is referred to as a “Slice”.

The operator will repeat the ‘slice’ recording process a minimum of three times, across a preset distance. This is a “Scan”

The APL will determine if a void is present. A locate comprises of several scans.



### Applications:

- Locate Gas Piping
- Locate Gathering Lines
- Locate Sewer Laterals
- Locate Water Lines
- Locate Drainage Lines
- Locate Electrical Conduit
- Locate Fiber Optic Conduit
- Find piping systems where there is no tracer wire (or broken wire)

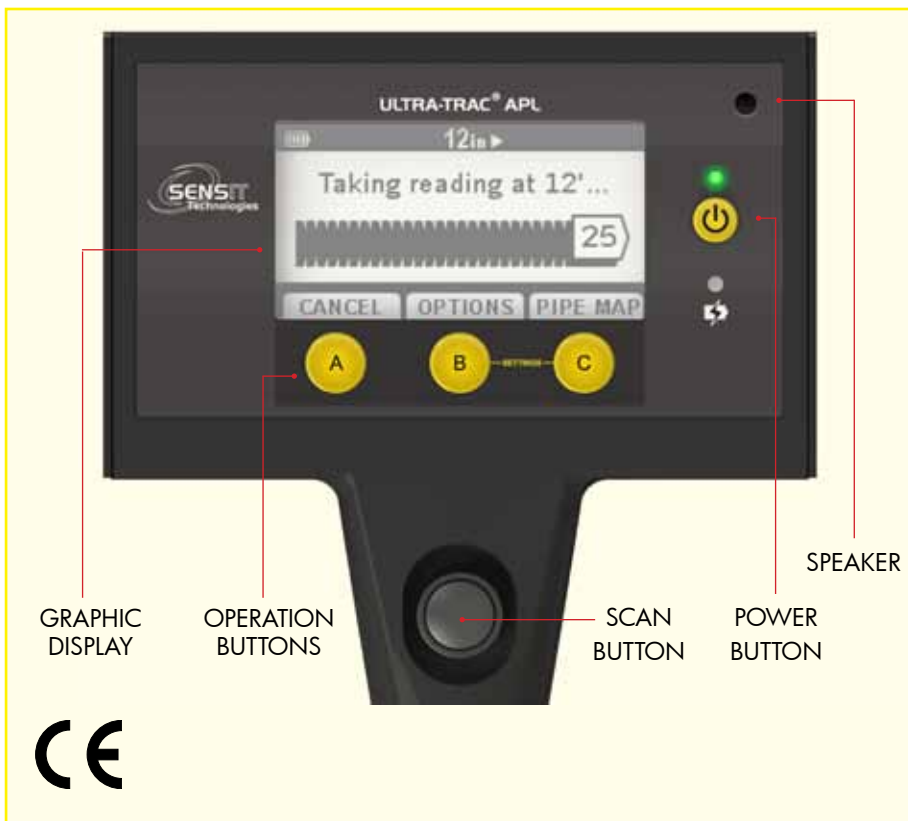
### Industry Users:

- Natural Gas Utilities
- Locate Contractors
- Municipal Water/Sewer
- Oil Companies
- General Contractors
- Telecom Companies
- HDD Contractors
- Excavation Contractors
- Industrial Maintenance

### Partial List of Materials Sensed:

- Plastic Pipe
- Metallic Pipe
- Concrete Pipe
- Cast Iron
- Ductile Iron
- Clay Tile

Contact Sensit Technologies for more info.



### DETECTION SPECIFICATIONS (Normal Depth Mode)

1/2" ID pipe  $\leq 30"$

2" ID pipe  $\leq 48"$

4" ID pipe  $\leq 96"$

Accuracy is better than  $\pm 18"$  of marking- plus selected slice distance

Multiple pipes close together can cause inaccurate readings for target pipe

Detects up to three pipes per scan distance

Does not measure depth

Detects any pipe material (Does not indicate type of pipe or size of pipe)

### STANDARD KIT

Ultra-Trac APL with Carrying Case  
 Recharge Adapter (110V - 220VAC)  
 Measuring Tape  
 Instruction Manual  
 Quick Start Guide

### PRODUCT SPECIFICATIONS

Size:	Handle 4' Base 20" x 10" x 10" (L x W x H)
Weight:	20lbs
Operational Temp:	-4°F to 122°F (-20°C to 50°C)
Storage Temp:	-20°F to 140°F (-28.9°C to 60°C)
Battery Life:	25 hrs
Battery type:	14vdc Lithium-ion
Recharge time:	10 hours
Time per slice:	<5 seconds
Time per 20 slice scan:	<2 minutes

## ULTRA-TRAC® APL - Quick Start Instructions

1. Press and hold the power button until the display illuminates. Display will remain blank for 10-15 seconds during start up prior to displaying Sensit logo followed by "Select a depth".
2. Place measuring device in desired test area. For best results limit the test length (scan) to 10ft.
3. Using the A or C button select test depth. Deep is greater than 10ft. Normal is up to 10ft.
4. Using the A or C button select a scan direction. Step to Left or Step to Right.
5. Using the A or C button select a step distance. 6 or 12 inches. For softer surfaces and/or shallow depths us 6 inch distances.
6. Place instrument on ground adjacent to the first mark on your measuring device.
7. Place foot on footpad.
8. Push the handle firmly forward.
9. Press and release the large black scan button at the top of the handle (just below the control box).

10. Move to the next test location (slice) adjacent to the next 6 or 12 inch mark on the measuring device.

11. Repeat steps 7-10 until scan distance has been completed.

12. Press the C button to review the "Pipe Map".

13. Mark the locations on the ground adjacent to the measuring device as shown on the APL.

14. Move measuring device forward or backward 6-10 ft away from current location.

Repeat steps 6-13.

15. Repeat scan process as needed to mark location.

16. Review marks to determine direction of pipe.

17. To turn off hold the power button until the display turns off (after 5 beeps).

For more information, visit [www.gasleaksensors.com](http://www.gasleaksensors.com)



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