

# AMPROBE® Model AT-3000

Underground Hawk-Buried Wires & Pipes Locator



## put me to the test.

The largest selection of test measurement  
equipment for electrical contractors.

# AT-3000 Underground Hawk



## Model AT-3000

### FEATURES

- Pipes, energized and de-energized wires location
- Depth Measurement up to 10 feet
- Receiver, transmitter, connection cable, ground stake and cable included for a complete instrument
- Rugged construction
- Three locating modes: Power, Radio and Transmitter
- Sensitivity control
- Visual and audio indication
- LCD display
- Loud speaker

### BENEFITS

- Indicates the depth of the traced object (pipe or wire)
- Ready to connect and use as a complete kit\*
- Long life and reliability
- Assures accurate readings
- Allows pinpointing the traced object
- Assures that object will not be overlooked
- Indicates strength of the signal and the depth of the object
- Convenient in noisy environments
- Wide range of applications

### R3000 TECHNICAL SPECIFICATIONS

#### Operating Modes:

Mode	Frequency	Sensitivity @3'	Locating Depth Guide (feet)	
			Good Conditions	Poor Conditions
Power	50Hz - 3.5 kHz	7.5mA	10'	6'
Radio	15-30 kHz	25µA	6'	3'
G3000	32.768kHz±20Hz	5µA	10'	6'

#### Locate Accuracy:

±10% of depth.

#### Depth Accuracy:

on undistorted signal and with no adjacent signals.

Line -5% 0.9 ft. to 6.5ft. (0.3m to 2m)  
 -10% 6.5 ft. to 9.8ft. (2m to 3m)  
 Sonde -7% 1.6 ft. to 9.8 ft. (0.5m to 3m)  
 -15% 9.8 ft. to 16.4 ft. (3m to 5m)  
 range dependent on sonde type

#### Visual Indication:

Liquid Crystal Display, indicating the following:

- Operating Mode- Signal Strength (%)
- Line Depth - Sonde Depth

#### Audio Indication:

- Audio signal output through waterproof loudspeaker.
- Speaker extendable for use as earphone in noisy environments.
- Audible beep battery test when ON/OFF trigger depressed.

#### Search Antennas:

Two: single-wound, four-section, symmetrical response.

#### Gain Control:

Manual, semi-automatic in P and R modes.

#### Batteries:

8 x LR6(AA) 1.5V alkaline. 40 hours life, nominal @68°F (20°C) intermittent use.

#### Operating Temperature Range:

-4°F to +122°F (-20°C to +50°C)

#### Environmental Protection:

- Shock BS EN60068-2  
 - Vibration BS2011 Part 2.1  
 - Freefall BS EN60068-2  
 - Dust & Water Resistance BS EN60529 (IP rating), (meets NEMA Standards Publication 250-1991).

#### Construction:

High impact polyethylene weatherproof to NEMA 3R and IP54

#### Ruggedness:

Withstands 3 ft. (1 metre) drops onto concrete (BS EN60068-2)

#### Dimensions:

28.3x10x2.6 in (72 x 25.5 x 6.5cm)

#### Shipping Box Size:

30.3 x 13.8 x 6.7 in. (77 x 37 x 17 cm)

#### Weight:

4.9 lb. (2.2 kg)

#### Shipping Weight:

6.4 lb. (2.9 kg)

### G3000 (SIGNAL GENERATOR TECHNICAL SPECIFICATIONS)

#### Operating Modes:

Description	Frequency	Remarks
Induction	32.768 kHz ± 3 Hz	Autoselected without connection lead
Connection	32.768 kHz ± 3 Hz	Selected by inserting connection lead

#### Auto Indication Connection:

- Continuous tone when G3000 is ON, indicates satisfactory battery level.
- 1 Hz pulsed tone indicates battery replacement required.
- Low audio level selected by holding down ON/OFF push-button at switch-on.

#### Output

**Protection:** Output circuitry is protected against inadvertent connection to 230Vrms at 50/60 Hz.

**Signal:** Continuous.

**Power Output:** 0.12 W (automatic impedance matching on connection).

**Batteries:** 4 x LR20 (D) 1.5V alkaline. 30 hours life, nominal @68°F (20 °C) intermittent use.

#### Operating Temperature:

-4°F to +122°F (-20 °C to +122°C)

#### Description:

G3000 (Signal Generator)

#### Physical:

- Construction High impact polyethylene weatherproof to NEMA 3R & IP54.
- Dimensions 11 x 6.9 x 8.3 in. (28 x 17.5 x 21 cm)
- Shipping Box Size 30.3 x 13.8 x 6.7 in. (77 x 37 x 17 cm)
- Weight 5.5 lb. (2.5 kg.)

### ACCESSORIES

Signal Clamp .....SC-3000  
 Mouse Transmitter .....M-3000

### REPLACEMENTS

Connection Kit (Includes connection cable, ground stake, ground cable) .....CK-3000