



AMPROBE®

AT-4000 Series Advanced Wire Tracers



600V

- Extremely easy to use
- One universal transmitter - automatically switches to work with either energized or non-energized systems
- Receiver not position sensitive - does not need to be rotated in order to provide accurate readings
- Traces live wires buried or hidden behind walls
- Traces energized and non-energized (open, broken) wires
- Performs tests without having to interrupt power
- Locates breakers, neutrals, and ground lines
- Locates and traces wires in walls, floors, conduit, computer cables, etc.
- Pinpoints shorts, ground faults and broken wires
- Does not interfere with sensitive electronic equipment
- Battery Booster strengthens signal for open tracing
- Clamp-on attachment injects signal for non-contact operation

| FEATURE | RANGE |
|--------------------------------------|-------------------------------------------------------|
| <i>Transmitter Operating Voltage</i> | 9-600V AC/DC |
| <i>Operating frequency</i> | 32.786 kHz |
| <i>Receiver short mode range</i> | 20' in air from the traced wire under test conditions |
| <i>Receiver open mode range</i> | 12' in air from the traced wire under test conditions |

| KIT CONTAINS: | AT-4001 | AT-4003 | AT-4004 | AT-4005 |
|----------------------------------------------------|--------------|-----------------|----------------|----------------|
| <i>Carrying Case</i> | Soft SV-1000 | Hard CC-AT-4000 | HardCC-AT-4000 | HardCC-AT-4000 |
| <i>Receiver R-4000</i> | • | • | • | • |
| <i>Transmitter T-4000</i> | • | • | • | • |
| <i>110V Pigtail – Banana Plug Cord Set C2901</i> | • | • | • | • |
| <i>Alligator Clip – Banana Plug Cord Set C2902</i> | • | • | • | • |
| <i>Grounding Test Lead 25-ft MTL-G</i> | • | • | • | • |
| <i>Alligator Clip for Ground Lead VRC-320</i> | • | • | • | • |
| <i>Clamp-on Transmitter Accessory A2202</i> | | | • | • |
| <i>Rechargeable Battery Pack B2024</i> | | | | • |
| <i>Battery Pack Recharger B2025</i> | | | | • |



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| OPTIONAL ACCESSORIES | PART NUMBER |
|---------------------------------------------------------------|-----------------|
| Ground Coil Accessory for models AT-2003, AT-2004, AT-2005 | ATGC-1 |
| REPLACEMENT PARTS | PART NUMBER |
| Receiver | R-4000 |
| Transmitter | T-4000 |
| 110V Pigtail – Banana Plug Cord Set | C2901 |
| Alligator Clip – Banana Plug Cord Set | C2902 |
| Clamp-on Transmitter Accessory | A2202 |
| Grounding Test Lead 25-ft | MTL-G |
| Fuse fast acting 250mA @ 1000V (6mm x 46mm) | FA6X46MM |
| Alligator Clip for Ground Lead | VRC-320 |
| Rechargeable Battery Pack | B2024 |
| Battery Pack Recharger | B2025 |
| Instruction Manual | www.Amprobe.com |

SPECIFICATIONS

General

Operating Temperature: 0 to 120° F (-18°C to 49°C)
 Storage temperature: -40° to 150° F (-40° to 66°C)
 Case Material: ABS
 Case Size: 0.55" x 0.26" (14x6.7mm)

R-4000 Receiver

Detectors: Electromagnetic Coil Array pick up for short mode. Electrostatic plate pick up for open mode.

Sensitivity: Low and High programmable gain from the traced wire.

Short Mode performance: Over 20' in air from the traced wire under test conditions.

Open Mode performance: Over 12' from the traced wire in air under test conditions.

50HZ, 60HZ, and
 400HZ Rejection: 120db
 Power Source: 9V alkaline battery
 Display: 10 LEDs
 Case: Flame retardant ABS
 Weight: 0.5 Lb. (113g)



T-4000 Transmitter

Operating voltage: 9-600 volts

Operating frequency: 32.768 KHZ

Duty Cycle: Transmit 2 pulses with a duration of 0.0625S each, every 0.5 seconds

Case: Flame retardant ABS

Display: LCD (Liquid Crystal Display)

Weight: 0.32 LB (143.5g)

Current Output of the Signal:

Low Mode: 11 mA average, 30 mA peak

Medium Mode: 12 mA average, 36 mA peak

High Mode: 13 mA average, 63 mA peak

Fuse: Fast acting 250 mA @ 1000V (6X46mm) P/N: FA6X46MM



Signal Output (9V supply):

High setting: 0.74 VAC

Medium setting: 0.61 VAC

Low setting: 0.53 VAC

Battery: 9V alkaline- 24V jack will accept battery pack accessory (B2024 or B2025)

A2202 Clamp-on Transmitter Accessory

Operating Frequency: 32.768KHZ as supplied by T-4000

Case Breakdown Voltage: 3000 volts

Maximum Wire size: 2000 MCM or 2" dia. Cable

Battery: None, power is supplied by T-4000

B2024 Battery Pack

Type: Nickel-Cadmium rechargeable (20 AA cells)

Capacity: 24-Volt, 600 mah

Rechargeable Time: 14 hours

Fuse: internal self-resetting

B2025 Recharger/Converter

Input: 115VAC

Output: 24 VDC @350 mah



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