



# AMPROBE®

## AT-4000 Series Advanced Wire Tracers



Patent # D491,085 / D493,113 / D496,599  
and others pending.



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

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

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



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## AT-4000 Series Advanced Wire Tracers

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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