AMPROBE®

HARD AT WORK SINCE 1948.

R-4000 T-4000-A

AT-4000-A
Advanced Wire Tracer Series

Advanced in Wire Tracing Technology

Quickly trace energized and non-energized wires effortlessly with the Amprobe AT-4000-A Wire Tracer Series. Out-performing other wire tracers in its class, these advanced tracers combine features and functions to make locating wires more accurate and your job more efficient.

AT-4001-A	Advanced Wire Tracer with Soft Case
AT-4003-A	Advanced Wire Tracer
AT-4004-A	Advanced Wire Tracer with Clamp-On Attachment
AT-4005-A	Advanced Wire Tracer with Clamp-On Attachment, Battery Booster & Charger

AT-4005-A

- Determines presence of energized or non-energized wires hidden behind walls, flooring or conduit
- Pinpoints wires, breakers, neutrals, shorts, broken wires and ground lines
- Operates safely and easily without interrupting power or interfering with sensitive electronic equipment
- Get accurate readings without rotating the unit – receiver is not position sensitive
- Clamp-on attachment injects signal for non-contact operation (AT-4004-A and AT-4005-A only)
- Optional Battery Booster accessory strengthens signal for open tracing (AT-4005-A only)

AT-4000-A SPECIFICATIONS

Specifications	AT-4001-A	AT-4003-A	AT-4004-A	AT-4005-A
Transmitter operating voltage	9 - 300 V ac			
Operating frequency	32.786kHz			
Receiver short mode range	6.01m (20') in air from the traced wire under test conditions			
Receiver open mode range	3.7m (12') in air from the traced wire under test conditions			
Receiver R-4000	■	■	■	■
Transmitter T-4000-A	■	■	■	■
110V Pigtail - banana plug cord set C2901	■	■	■	■
Alligator clip – banana plug cord set C2902	■	■	■	■
Grounding test lead 25' (7.6 m) MTL-G	■	■	■	■
Alligator clip for ground lead VRC-320	■	■	■	■
Clamp-on transmitter accessory A2202			■	■
Rechargeable battery pack B2024				■
Battery pack recharger B2025				■
Users manual	■	■	■	■
Carrying case	Soft SV-1000	Hard CC-AT-4000	Hard CC-AT-4000	Hard CC-AT-4000

For more detailed specifications see users manual.

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AT-4000-A DETAILED SPECIFICATIONS

Specifications	Range
Transmitter operating voltage	9 - 300 V ac
Operating frequency	32.786 kHz
Receiver range short mode (in air)	6.01m (20') in air from the traced wire under test conditions
Receiver range open mode (in air)	3.7m (12') in air from the traced wire under test conditions
Operating temperature	-18°C to 49°C (0 to 120°F)
Storage temperature	-40° to 66°C (-40° to 150°F)
Case material	ABS
Case size	14 x 6.7mm (0.55" x 0.26")
Weight (AT-4005-A)	3.72 kg (8.2lbs)

R-4000 Receiver

Detectors	Electromagnetic Coil Array pick up for short mode. Electrostatic plate pick up for open mode.
Sensitivity	Low, mid, and high gain with precise sensitivity adjustment
Short mode performance	Over 6.01m (20') in air from the traced wire under test conditions.
Open mode performance	Over 3.7m (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	143.5 g (0.32 lbs)

T-4000-A Transmitter

Operating voltage	9 - 300 V
Operating frequency	32.768 KHZ
Duty cycle	Transmit 2 pulses with a duration of 0.0625 seconds each, every 0.5 seconds
Case	Flame retardant ABS
Display	LCD
Weight	143.5 g (0.32 lbs)
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 V ac; Medium setting: 0.61 V ac; Low setting: 0.53 V ac
Battery	9V alkaline- 24 V 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 V
Maximum wire size	2000 MCM or 5.08cm (2") diameter

T-4000-A B2024 Battery Pack

Type	Nickel-cadmium rechargeable (20 AA cells)
Capacity	24 V, 600 mah
Rechargeable time	14 hours
Fuse	Internal, self-resetting

B2025 Recharger / Converter

Input	115 V ac
Output	24 V dc @ 350 mah