



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



R-4000



T-4000-A



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.

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 |

For complete specifications please download the product datasheet and the users manual on www.Amprobe.com.