



# 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.



HARD AT WORK SINCE 1948.

## 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<br>Medium mode: 12 mA average, 36 mA peak<br>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 |