



Data Sheet

AT-4000 CON Series Advanced Wire Tracer

Amprobe's reputation for out-performing circuit tracers has just gotten better. These new and improved advanced tracers combine features and functions to make your job easier.

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

- 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
- Precise sensitivity adjustment
- 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 & 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
- No hassle one-year warranty



No hassle warranty

No waiting.

No shipping charges.



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

Patent #6,940,289



N10140

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General Specifications

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|-------------------------------------|---|
| Transmitter Operating Voltage: | 9-600 VAC |
| Operating Frequency: | 32.786 kHz |
| Receiver Range Short Mode (in air): | 20' in air from the traced wire under test conditions |
| Receiver Range Open Mode (in air): | 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: | 14x6.7mm) 0.55" x 0.26") |
| Weight (AT-4005 CON): | 8.20 lbs. |

R-4000 CON Receiver

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|----------------------------------|---|
| Detectors: | Electromagnetic Coil Array pick up for short mode. Electrostatic plate pick up for open mode. |
| Sensitivity: | Low, Mid, High gain with precise sensitivity adjustment (thumbwheel). |
| 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

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|-------------------------------|---|
| Operating voltage: | 9-600 volts |
| Operating frequency: | 32.768 KHZ |
| Duty Cycle: | Transmit 2 pulses with a duration of 0.06255 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 |

T-4000 B2024 Battery Pack

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|--------------------|---|
| 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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Optional Accessories

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|--|-----------------------|
| ATGC-1 | Ground Coil Accessory |
| MTL-90B, MTL-500, MTL-501 and TL36A | Test Lead Accessories |



| Included Accessories | Model AT-4001 CON | Model AT-4003 CON | Model AT-4004 CON | Model AT-4005 CON |
|--|-------------------|-------------------|-------------------|-------------------|
| Carrying Case | Soft SV-1000 | Hard CC-AT-4000 | Hard CC-AT-4000 | Hard CC-AT-4000 |
| Receiver R-4000 CON | ■ | ■ | ■ | ■ |
| Transmitter T-4000 | ■ | ■ | ■ | ■ |
| Carrying Case CC-AT-4000 | ■ | ■ | ■ | ■ |
| 110V Pigtail - Banana Plug Cord Set C2901 | ■ | ■ | ■ | ■ |
| Alligator Clip - Banana Plug Cord Set C902 | ■ | ■ | ■ | ■ |
| Ground Test Lead 25-ft. MTL-G | ■ | ■ | ■ | ■ |
| Alligator Clip for Ground Lead TL36A | ■ | ■ | ■ | ■ |
| Clamp-On Transmitter Accessory A2202 | | | ■ | ■ |
| Rechargeable Battery Pack B2024 | | | | ■ |
| Battery Pack Recharger B2025 | | | | ■ |



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