

AT-3500 Underground Cable / Pipe Locator System

Keep productivity high and operational costs low with the Amprobe AT-3500. It's the rugged, economical solution for locating underground energized and de-energized wires, cables and pipes. Great for parking lot and airport lighting applications, it precisely pinpoints buried services with exceptionally fast sound and meter response. Take depth measurements with the press of a button. The backlight multiple-segment bar-graph digital display plus audible indicators show and tell readings. The AT-3500 employs the proven 33 kHz frequency for most locating applications. To avoid lines at utility construction sites, it also offers the highly sensitive power and radio modes.



Features

- Locates underground energized and de-energized wires, cables and pipes
- Three testing modes for best accuracy
 - Passive Power (50 / 60 Hz)
 - Passive Radio (RF)
 - Active T-3500 signal generator with induction mode or directly connected to the cable with test leads or optional clamp
- Active Mode Depth measurement up to 16 ft (4.9 m)
- Semi-automatic gain control – fast signal location and control
- 33 kHz active frequency – best frequency for general locating
- Precise pinpointing of buried services and exceptionally fast sound and meter response with backlight multiple-segment bar-graph digital display and audible indicators
- Complete instrument, ready for use with receiver, transmitter, connection cable, ground stake and ground cable



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Specifications

| Features | AT-3500 |
|---|--|
| Depth Measurement | 10 ft (3.05 m) |
| Passive Tracing Frequencies | 50 / 60 Hz |
| Transmitter frequency | Single, non-adjustable |
| R-3500 Frequency ranges | Range 1: radio 15 kHz to 23 kHz Range 2: power network 50 Hz / 60 Hz; optionally 100 Hz (can be adjusted by Amprobe service personnel) Range 3: transmitter 32.768 kHz |
| R-3500 Sensitivity at a depth of 1m | Range 1: radio >20 μ A Range 2: power network >7 mA Range 3: transmitter >5 μ A |
| R-3500 Dynamic response range | Range 1: radio 120 dB Range 2: power network 135 dB Range 3: transmitter 120 dB |
| R-3500 Depth determination | Depth range 4 in ... 16 ft (0.1 m ... 5 m) Resolution 0.33 ft (0.1 m) |
| R-3500 Accuracy | Range 1: radio \pm 20 % Range 2: power network \pm 20 % Range 3: transmitter \pm 5 % (>5m (6-FT)), \pm 20 % (<5m (15-FT)) |
| R-3500 Power supply | 10 x IEC R6 / AA cell / Mignon |
| R-3500 Operating time | 40 hours (for intermittent use with alkaline batteries, 20 $^{\circ}$ C) |
| R-3500 temp. range in accordance with DIN EN 60068-1 | Operation -4 $^{\circ}$ F to 131 $^{\circ}$ F (-20 $^{\circ}$ C to +55 $^{\circ}$ C) Storage -22 $^{\circ}$ F to 158 $^{\circ}$ F (-30 $^{\circ}$ C to +70 $^{\circ}$ C) |
| R-3500 Weight | 5.5 lbs (2.5 kg) |
| R-3500 Dimensions (W x H x D) | 3.9 x 26 x 9.9 in (99 x 660 x 252 mm) |
| R-3500 type of protection in accordance with EN 60529 | Dust and water protected IP 67 from the lower edge of the receiver up to the lower edge of the battery compartment, and IP 56 for all parts above this delineation. |
| T-3500 transmitted power | 0.1 W / 0.5 W (switchable) |
| T-3500 Frequency | 32.768 kHz |
| T-3500 Power supply | 6 x IEC R20 / D cell / Mono |
| T-3500 Operating time | 40 hours (for intermittent use with alkaline batteries, 20 $^{\circ}$ C) |
| T-3500 temp. range in accordance with DIN EN 60068-1 | Operation -4 $^{\circ}$ F to 131 $^{\circ}$ F (-20 $^{\circ}$ C to +55 $^{\circ}$ C) Storage -22 $^{\circ}$ F to 158 $^{\circ}$ F (-30 $^{\circ}$ C to +70 $^{\circ}$ C) |
| T-3500 Weight | 3.75 lbs (1.7 kg) |
| T-3500 Dimensions (W x H x D) | 10.2 x 10 x 5.5 in (260 x 255 x 140 mm) |
| T-3500 type of protection in accordance with EN 60529 | Dust and water protected IP 56 |

Optional Accessories: SC-3500 4" Signal Clamp for AT-3500
MLS55-3 Pipe transmitter for AT-3500

For complete specifications, please download the product manual on amprobe.com

All Amprobe tools, including the Amprobe CM100, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.

