



OYO CORPORATION, PACIFIC

DOCTOR TO THE EARTH

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Addressing the need for a less intrusive geophysical exploration and initiating the steps toward taking care of our irreplaceable Earth through the use of the Amprobe AT-3500.

- 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' (4.9m)
- 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



Specifications

Depth Measurement	10 ft
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 µA Range 2: power network >7 mA Range 3: transmitter >5 µA
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 0.1 m ... 5 m (4 in ... 16 ft) Resolution 0.1 m (0.33 ft)
R-3500 Accuracy	Range 1: radio ±20 % Range 2: power network ±20 % Range 3: transmitter ±5 % (>5m (6-FT)), ±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 °C)
R-3500 temp. range in accordance with DIN EN 60068-1	Operation -20 °C to +55 °C (-4°F to 131°F) Storage -30 °C to +70 °C (-22°F to 158°F)
R-3500 Weight	2.5 kg (5.51 lbs)
R-3500 Dimensions (W x H x D)	99 x 660 x 252 mm (3.90 x 25.98 x 9.92 in)
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 °C)
T-3500 temp. range in accordance with DIN EN 60068-1	Operation -20 °C to +55 °C (-4°F to 131°F) Storage -30 °C to +70 °C (-22°F to 158°F)
T-3500 Weight	1.7 kg (3.75 lbs.)
T-3500 Dimensions (W x H x D)	260 x 255 x 140 mm (10.24 x 10.04 x 5.5 in)
T-3500 type of protection in accordance with EN 60529	Dust and water protected IP 56