

AQUATRACER 300

Multi-frequency Pipe & Cable Locator

The AQUATRACER 300 is a simple and accurate line and cable locator that was designed for those committed to protecting buried infrastructure.



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Powerful, rechargeable and versatile

The AQUATRACER 300 is ideal for congested locates in crowded easements, long runs of pipe and cable as well as basic service drops. It allows users to adapt the available frequencies to their specific needs. Frequencies can be added or deleted on demand to suit the user's locating needs.

10 watts of power and automatic impedance matching from 5 ohms to 25,000 ohms ensure adequate signal application. 84 Wh Lithium-Ion batteries provide a light-weight design and longer operating life.

Comfortable and convenient operation

The Pathfinder™ creates a remote link between the transmitter and receiver allowing the user to control the transmitter's output power and frequency right from the receiver (more than 350 meters), eliminating the back-and-forth walking between devices.

A large, high-contrast LCD offers clearly visible signal response in any lighting. Automatic depth, automatic current, and proximal directional arrows are readable in the brightest sunshine or backlit for viewing in dimmer conditions.

Rich in features in order to adapt to each situation

1000+ programmable frequencies crafted to individual locating requirements.

8 Locating Modes: the multi-channel processor allows for simultaneous field detection from a multiple antenna array ensuring accuracy.

Automatic Impedance Matching Technology maximizes transmission range while minimizing power consumption.

Constant Depth & Current Measurement provide real-time updates on the line's depth and the signal condition.

Wide range of accessories available

Two inductive couplers can be purchased and used with the AQUATRACER 300 to apply signal on live cables when a direct connection is not possible:

1. 4" inductive coupler with an operational frequency range of 8kHz to 82kHz;
2. 7" flexible inductive coupler with a dual frequency 82kHz & 815Hz

A range of sondes with different frequencies can be used as self-contained signal transmitters in a 7.5-meter range in non-pressurised pipes to track the path and blockages.

System Configuration

Basic configuration:

- 1 Receiver
- 1 Transmitter 10W
- 1 Direct connection cord
- 1 Ground rod
- 1 Set AC & DC battery chargers
- 1 Protecting carrying case
- 1 Operating manual
- 2 Year Warranty

Common Optional Accessory

- Inductive coupler 4" (8 to 82kHz)
- Inductive Flexi-coupler 7" (dual frequency 82kHz & 815kHz)
- Sondes (available in 512Hz, 640Hz, 815Hz, 8kHz & 33kHz)
- Traceable duct rodder

Technical Specifications

Operating Frequencies:

476.52 kHz* • 262 kHz* • 200.330 kHz* • 145 kHz • 131 kHz • 117.850 kHz • 116 kHz • 93 kHz • 83.00kHz • 82.70kHz • 82.315 kHz • 65.536 kHz • 33.0 kHz • 32.768 kHz • 9.2 kHz • 8.9 kHz • 8.4 kHz • 8.192 kHz • 4.010 kHz • 1.450 kHz • 1.100 kHz • 1.020 kHz • 1.010 kHz • 940 Hz • 920 Hz • 870 Hz • 815 Hz • 797 Hz • 760 Hz • 640 Hz • 577 Hz • 570 Hz • 560 Hz • 512 Hz • 400 Hz • 273 Hz • 256 Hz • 200 Hz (***) where permitted by law)

Sonde:

640Hz, 512Hz, 815Hz, 8.192 kHz & 32.768kHz

Power Source:

Lithium-Ion rechargeable batteries in both receiver and transmitter

Passive Power Modes:

50 env & 60 env

Power Harmonics:

50Hz, 150Hz, 250Hz, 350Hz, 450Hz & 60Hz, 180Hz, 300Hz, 420Hz, 540Hz

Dynamic Range:

126 dB

Receiver Display Indicators:

Backlit segmented LCD bar graph, battery condition, continuous mode signal strength, depth measurement, line orientation, left/right line guidance, operating mode, volume level & function indicators

Signal Strength:

LCD bar graph, absolute signal strength 0-999 Transmitter Indicator: AC load assistance measurement, relative ohms, voltage, live voltage output, current output, power level, frequency, mode, battery indication alert, low battery indicator audio/visual with modulated low battery warning transmitted to receiver.

Load Matching:

Automatic from 5 ohms to 25,000 ff

Battery Life:

Receiver: Continuous: 30 hours intermittent: 82 hours
Transmitter: Continuous 8-20 hours, intermittent 40-60 hours

Operating Temperature:

-20°C to +55°C (-4°F to +133°F)

Ingress Protection:

IP65

Dimensions:

Receiver: 77 cm x 24 cm (30.3" x 9.4")
Transmitter: 41 cm x 16 cm x 15 cm (16" x 6.32" x 6")

Weights:

Receiver: 1.9 kg (4.2 lb.) including rechargeable battery
Transmitter: 2.7 kg (6 lb.)



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