

SUBSITE 950 R/T Pipe & Cable Locator System

The three modes and 20 frequencies of the 950R/T system help you quickly locate buried telephone, CATV, power, gas and water lines: Active — 950T and 970T transmit via direct line connection, induction clamp or induced broadcast signals; simultaneous 8 and 29 kHz transmission makes an alternate signal available if one is hard to detect, while higher frequencies help locate metallic lines with insulators that weaken or block low frequencies; Passive — 950R detects signals generated by 31 kHz (CATV) and 50/60 Hz power, as well as re-radiated radio frequencies; Beacon — 950R detects signals from optional beacons to locate non-metallic service lines; with the 512 beacon, the 950R locates blockages within cast-iron pipe.



Features

- Lightweight 950R receiver is balanced for easy handling.
- Enhanced, backlit LCD offers optimal visibility in low-light conditions.
- 950T and 970T's rugged case and sealed keypad withstand tough weather conditions and provide superior moisture resistance.
- Patented digital signal processing (DSP) offers more effective locating and reduces interference; stable DSP depth readings do not vary with temperature or time, as analog readings do.

Technical Specifications

950R Receiver

Dimensions

Length	325 mm
Height	705 mm
Width	145 mm
Weight	2 kg



Operation

Operating Temperature Range :	-20° C to 50° C
Antenna Configurations	Single peak, twin peak, null, left/right (line only)
Audio Output	speaker
Operating Modes	
Active Line (standard)	512 Hz, 1 kHz, 8 kHz, 29 kHz, 80 kHz, 200 kHz, 33 kHz (EML)
Active Line (optional)	400 Hz, 560 Hz, 815 Hz, 200 kHz
Beacon (locate/depth only)	512 Hz, 29 kHz, 33 kHz
Passive Line (standard)	50 Hz, 60 Hz, 33 kHz (EML)
Passive Line (optional)	50 P power, 60 P power, 31 kHz, radio, 100 Hz, 120 Hz
Radio (optional)	Passive locate only, no depth available



Locating Ranges	
Lines	4.6 m
Beacons	3 m
Depth Estimate Tolerances (under ideal conditions. Actual operating field conditions with signal distortions or noise sources will affect tolerances)	
Active Line	± 3% 0.06-1.5 m
Active Line	± 5% 1.5-3 m
Active Line	± 10% 3 m and deeper
Passive Line	± 10% 1.5-3 m
Beacon	± 5% 1.5-3 m
LCD Backlight	LED (green)
External ports	RS-232 serial



Batteries

Type	6 C-cell alkaline
Battery Life	Approximately 50 hours (continuous use at 21° C)
Battery Saver	Unit shuts off after 5 minutes of inactivity

950T Transmitter

Dimensions

Length	355 mm
Height	280 mm
Width	107 mm
Weight	3.3 kg

Operation

Operating Temperature Range :	-20° C to 50° C
Maximum Power Output	3 watts
Operating Modes	512 Hz, 1 kHz, 8 kHz, 29 kHz, 80 kHz, and dual (8 kHz and 29 kHz)
Timer	Unit runs continuously or shuts off after running for selected hour interval (8-hour maximum)

Batteries

Type	8 D-cell alkaline
Battery Life	Approximately 40 hours (continuous use at Power Level 2)

970T Transmitter

Dimensions

Length	355 mm
Height	280 mm
Width	107 mm
Weight	3.3 kg

Operation

Operating Temperature Range :	-20° C to 50° C
Maximum Power Output	5 watts
Operating Modes	512 Hz, 1 kHz, 8 kHz, 29 kHz, 80 kHz, 200 kHz (optional), and dual (8 kHz and 29 kHz)
Timer	Unit runs continuously or shuts off after running for selected hour interval (8-hour maximum)

Batteries

Type	8 D-cell alkaline
Battery Life	Approximately 80 hours (continuous use at Power Level 2)

