

# **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)