

 **DITCH WITCH® ELECTRONICS**

950R/T AND 970T LOCATING EQUIPMENT



Location, Location, Location. The 950R/T system is the quickest way to locate buried telephone, CATV, power, gas, and water lines. In active mode, the 950T and 970T offer simultaneous 8 and 29 kHz transmission to make an alternate signal available if one is hard to detect. In passive mode, the 950R detects signals generated by 31 kHz (CATV) and 50/60 Hz power, as well as re-radiated radio frequencies. And in beacon mode, the 950R detects signals from optional beacons to locate non-metallic service lines.

KEY FEATURES

(*Photograph A*) 950R/T offers simultaneous 8 and 29 kHz transmission, so an alternate signal is available if one is hard to detect; 80 kHz frequency is helpful in locating old tracer wires and pipes with insulators.

The 970T can transmit all 950T frequencies plus a 200-kHz frequency for more difficult locates.

In active mode, the 950T and 970T transmit via direct-line connection, induction clamp or induced broadcast signals.

970T's best-in-class 5-watt output and 80-hour battery life help provide maximum productivity.

(*Photograph B*) 970T is equipped with built-in circuit protection, reverse battery protection, and live wire hookup protection for exceptional reliability.

Enhanced backlit LCD of the 950R/T and 970T offers optimal visibility in low-light conditions.

 **Ditch Witch®**
ditchwitch.com

SPECIFICATIONS
950T TRANSMITTER
U.S.
METRIC

Height	11 in	280 mm
Length	14 in	355 mm
Width	4.2 in	107 mm
Operating weight	7.25 lb	3.3 kg
Operating temperature range	-4° F to 122° F	-20° C to 50° C
Maximum power output	3 Watts	
Operational frequencies	512 Hz, 1 kHz, 8 kHz, 29 kHz, 80 kHz, and dual (8 kHz and 29 kHz)	
Battery type	8 D-cell alkaline	
Battery life	Approximately 40 hours (continuous use at power level 2)	
Battery saver	Unit runs continuously or shuts off after running for selected hour interval (8-hour maximum)	

950R RECEIVER

Height	27.75 in	705 mm
Length	12.8 in	325 mm
Width	5.9 in	145 mm
Operating weight	4.5 lb	2 kg
Operating temperature range	-4° F to 122° F	-20° C to 50° C
Operational frequencies		
Passive (standard)	50 Hz, 60 Hz, radio	
Passive (optional)	50 P power, 60 P power, 100 Hz, 120 Hz, 31 kHz	
Active other (optional)	400 Hz, 560 Hz, 815 Hz, 200 kHz	
Beacon (non-roll)	512 Hz, 29 kHz, 33 kHz	
Audio output	Speaker	
Display	LCD backlight	
Antenna configurations	Single peak, twin peak, null, left/right	
Depth estimate tolerances*		
Active line ± 3%	0.2 ft - 5 ft	0.06 m - 1.5 m
Active line ± 5%	5 ft - 10 ft	1.5 m - 3 m
Active line ± 10%	10 ft and deeper	3 m and deeper
Passive line ± 10%	0.5 ft - 10 ft	1.5 m - 3 m
Beacon ± 5%	0.5 ft - 10 ft	1.5 m - 3 m
External ports	RS-232 serial	
Battery type	6 C-cell alkaline	
Battery life	Approximately 50 hours (continuous use at 70° F/21° C)	
Battery saver	Unit shuts off after 5 minutes of inactivity	

970T TRANSMITTER

Height	11 in	280 mm
Length	14 in	355 mm
Width	4.2 in	107 mm
Operating weight	7.25 lb	3.3 kg
Operating temperature range	-4° F to 122° F	-20° C to 50° C
Maximum power output	5 Watts	
Operational frequencies	512 Hz, 1 kHz, 8 kHz, 29 kHz, 80 kHz, 200 kHz (optional), and dual (8 kHz and 29 kHz)	
Battery type	8 D-cell alkaline	
Battery life	Approximately 80 hours (continuous use at power level 2)	
Battery saver	Unit runs continuously or shuts off after running for selected hour interval (8-hour maximum)	

*Locators are calibrated to these tolerances under ideal test field conditions. Actual operating field conditions may have signal distortions or may contain noise sources which result in depth estimate accuracy which is less than specified.