

SUBYTE 250 R/T Pipe & Cable Locator

Get a grip on what's beneath your feet with the 250R/T system, one of the most efficient and cost-effective methods for locating and avoiding buried telephone, CATV, power, gas, and water lines. Consisting of a 250T transmitter and a 250R receiver with passive or active capabilities, this simple, safe, light-weight system features intuitive controls, an easy-to-read display, and depth estimation up to 4.6 m. Whether you use it passively or actively, the 250R/T will help you get a handle on any situation.



The 250R/T operates on the principle of detecting electromagnetic emissions from metallic services

- Audible and visual display for use in noisy conditions with operator friendly controls and high visibility instruction labels.
- Power mode is used to locate all live cables with sufficient current flow.
- Radio mode is used to locate any metallic service carrying a (VLF) very low frequency signal.
- Active mode is used in conjunction with the Transmitter to locate and trace a specific service which is an Optional Accessory

The 250R/T was designed and built after consultation with engineers who used this type of equipment everyday.

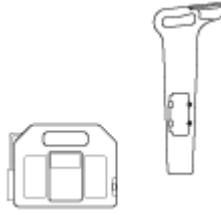
Features

- Simplified digital controls are arranged for easy operation.
- Display is backlit & reinforced with a scratch-resistant coating for optimal visibility day, night, & well into the future.
- Best-in-class dynamic range means the 250R/T can locate even when signals are extremely weak or strong.
- Rugged design and moisture resistant cases stand up to long term use and tough weather conditions; housings are up to 2.5 times thicker in wearable areas than similar models.
- Tones are derived from the actual signals radiating from pipes or cables, so even novice users can distinguish the signal from background noise.
- Manufactured with 2/3 fewer components than similar models; fewer mechanical and electrical connections mean greater reliability.
- With 1 Watt of power, the 250T is ten times more powerful than other transmitters in its class. It can apply 33-kHz signals via direct connect, induction clamp, or other optional accessories.

Technical Specifications

250R Receiver Specifications

Dimensions	Receiver
Length	290 mm
Height	70 mm
Width	100 mm
Weight	2.3 kg



Operation

Operating Temp. Range	-20 to 50°C
Antenna Configurations	Twin Peak
Audio Output	Speaker
Operating Modes :	
Active Line	33 KHz
Beacon (locate / depth only)	33 KHz
Passive Line	50 Hz or 60 Hz, no depth available
Radio	Passive locate, no depth available
Locating Ranges :	
Line	4.6m
Beacon	3.0m
Maximum Depth Ranges (under ideal conditions. Actual operating field conditions with signal distortions or noise sources will affect tolerances)	
Active Line ±5%	0.15 – 3.0 m
Active Line ±10%	3.0 m and deeper
Beacon ±5%	0.15 – 3.0 m
LCD Backlight	Yes

Batteries

Type	6 C-cell alkaline
Battery Life	Approximately 40 hours (continuous use at 21° C)
Battery Saver	Unit shuts off after 5 minutes of inactivity

250T Transmitter Specifications

Dimensions	Transmitter
Length	311 mm
Height	235 mm
Width	114 mm
Weight	2.3 kg



Operation

Operating Temperature Range :	-20 to 50°C
Maximum Power Output	1 Watt
Operating Modes	
Active Line	33 kHz

Batteries

Type	6 C-cell alkaline
Battery Life	Approximately 150 hours (continuous use low level power)