

TFN T6000 Underground Pipe Locator

Basic Function

1. It can quickly and effectively determine the direction and depth of underground metal pipelines.
2. With signal strength indication, left and right arrow indication, compass direction indication.
3. Detecting the maximum depth of the pipeline up to 20 meters.
4. Automatic depth measurement: when the instrument is placed above the pipeline, the true depth of the target pipeline is automatically displayed.
5. 70% bathymetry with automatic prompting, 70% signal point can be easily determined through graphics and prompting sound.
6. The instrument belongs to self-developed products, with software patent certificate and computer software copyright.

Transmitter Technical Parameters

This machine is a multi-frequency high-power transmitter, with constant power output and automatic matching of external loads to ensure that the machine works in the best condition. It has an ohmmeter function that can detect external voltage and test continuous loop resistance, which can help determine the nature of the fault.

- 1) Selectable frequencies: Output 31 frequency sinusoidal AC signals, namely 98Hz, 128Hz, 256Hz, 480Hz, 491Hz, 512Hz, 577Hz, 640Hz, 815Hz, 982Hz, 1.02kHz, 1.17KHz, 1.45KHz, 1.52KHz, 4.1KHz, 8.01KHz, 8KHz, 8.44KHz, 9.5KHz, 9.82 KHz, 29.4KHz, 33 KHz, 38 KHz, 65.5 KHz, 78.1KHz, 80.43 KHz, 82KHz, 83.1KHz, 89KHz, 133KHz, 200KHz.
- 2) Fault detection signal positioning mode and sound sending mode.
- 3) Ohmmeter function, which can detect external resistance and external dangerous voltage prompts.
- 4) Three signal transmission methods: direct connection method, coupling method, and induction method.
- 6) Display content: frequency setting, battery status, digital display of output current and loop resistance, output mode, external power supply, external voltage warning.
- 7) The output power is adjustable, with four gears: low, medium, high and full.
- 8) The maximum output current is not less than 1A; the maximum output power is not less than 12W.

Receiver Technical Parameters

The receiver uses a 3.5-inch true color LCD display to display signal strength numbers, amplitude light bars, compass pointing, left

The right arrow points to the current direction indication, which is used to indicate the strength of the signal, optical cable positioning, and depth measurement.

- 1) Five display modes: wide peak value, valley value, narrow peak value, wide peak value arrow, and peak value plus valley value.
- 2) It has broadband receiving technology and can provide personalized customization according to customer needs (within 100Hz-200kHz).
- 3) Available frequencies: 8 types, namely 50Hz, 60Hz, LF, 577Hz, 8KHz, 33 KHz, 82KHz, 133KHz.
- 4) Digital direct reading depth range: 0-20 meters. Accuracy: $\pm 5\%$ within 3 meters, $\pm 10\%$ within 8 meters.
- 5) Display content: signal strength, signal amplitude light bar, left and right arrow indication, compass direction indication, real-time depth indication, signal gain.
- 6) It has compass guidance indication function.
- 7) 3.5-inch 24-bit true color LCD display. The backlight brightness is adjustable to adapt to various environments.