

# CRT

## Cable Route Tracer



- » Multi-antenna, multi-channel, direct display cable depth.
- » Current measurement for parallel pipelines.
- » Built-ohm meter to measure the loop resistance.
- » Pinpoint buried cable fault.
- » Continuous automatic impedance matching, multiple detection modes, for a variety of complex pipeline detection.
- » With rechargeable batteries, no need electricity, easy to field operations.

## DESCRIPTION

The CRT is mainly used for cable fault location, cable identification, cable path and depth measurement, can quickly and effectively determine the direction and depth of underground metal pipelines. With signal strength indication, left and right arrow indication, compass direction indication, the maximum depth of the detection pipeline can be up to 20 meters.

The CRT consists of a transmitter and a receiver.



(Transmitter)

This machine is a multi-frequency high-power transmitter, with constant power output, automatically matching the external load, to ensure that the machine works in the best state. With ohmmeter function, it can detect external voltage and test continuous loop resistance, which can help to determine the nature of the fault.



(Receiver)

The receiver uses a 3.5-inch true color LCD display, displaying signal strength figures, amplitude light bars, compass pointing, left Right arrow pointing, current direction indication, used to indicate the strength of the signal, optical cable location, fault detection, optical cable identification, depth measurement.

It has 5 display modes: wide peak value, valley value, narrow peak value, wide peak value arrow, and peak value plus valley value

## TECHNICAL SPECIFICATIONS

### Transmitter

Number of operating frequencies	31
Operating frequencies	98 / 128 / 256 / 480 / 491 / 512 / 577 / 640 / 815 / 982 Hz 1,02 / 1,17 / 1,45 / 1,52 / 4,1 / 8,01 / 8 / 8,44 / 9,5 / 9,82 / 29,4 / 33 / 38 / 65,5 / 78,1 / 80,43 / 82 / 83,1 / 89 / 133 / 200 kHz
Mode	fault detection and identification signal positioning mode, sound transmission mode, current direction signal SS Low, SS High
Functions	ohmmeter, intelligent signal identification phase
Signal transmission methods	direct connection, coupling and induction method
Output power	low-grade, mid-grade, high-grade and full-grade is adjustable
The maximum output current	1 A
The maximum output power	not less than 12W
Dimensions	400×150×130 mm

### Receiver

Operating frequencies	50 / 60 / 577 Hz 8 / 33 / 82 / 133 kHz
Depth range	0...20 m
Accuracy	±5 % (within 3 m) / ±10 % (within 8 m)
Display	3.5-inch 24-bit color LCD
Dimensions	290×130×670 mm
Dimensions (case)	780×350×230 mm
Weight (general)	15 kg