

# CPL

## Cable Pipe Locator



- › Using the traditional electromagnetic induction principle, strong anti-interference ability.
- › Over-current and short-circuit protection functions.
- › High power output, not limited by cable length.
- › The output is steplessly adjustable.
- › Super strong magnification, the detection depth is greater than 10 m.
- › Ultra-low power consumption design (less than 10 mA).

### DESCRIPTION

The CPL is composed of a high-power path signal generator (transmitter) and receiver required for detecting buried cable paths.

The basic principle of the cable path meter is to use a path signal generator (ie, the path meter signal transmitting host) to input a path pulse signal into the cable under test, thereby generating electromagnetic waves, and then receiving them with a probe, and the receiver amplifies the received signal. After processing, the output is sent to the earphone and the pointer meter.

This cable route tracer judges the buried path and depth of the cable according to the sound peaks, sound valleys and the deflection degree of the pointer meter in the earphone.

### Multi-function

The cable path receiver is used in connection with probes and headphones, etc., and can be used as a cable fault pinpointer.

## DESIGN

This CPL is mainly composed of transmitter and receiver, the two parts are shown as below.



(transmitter)



(receiver)

## TECHNICAL SPECIFICATIONS:

### Transmitter

Output signal	15 kHz intermittent
Output power	100 W
Output current	0..2 A
Working power	220 V (1 ± 10 %) 50 Hz (1 ± 5 %)

### Receiver

Magnification	500,000 times
Detection accuracy	±0.2 m
Output impedance	350 Ω
Working power supply	two standard 9 V batteries
Quiescent current	<10 mA