

Electrical Test & Measurement Instruments





Features

- ✓ Color compass display: Underground pipelines penetration, infra-field multiple underground pipelines display
- ✓ Real-time tracing correct/error indication to suppress interference from the nearby pipelines
- ✓ Enhanced precision depth measurement: real-time depth measurement
- ✓ Depth measurement auxiliary sensor: interference indication
- ✓ Enhanced passive detection: Multiple pipelines can be displayed simultaneously
- ✓ High performance transmitting clamp: running cable coupling signal transmitting
- ✓ Flexible clamp unique identification: convenient & highly reliable
- ✓ High power digital amplifier transmission, automatic impedance matching, automatic protection
- ✓ High sensitivity, 2Hz ultra-low bandwidth receiving, high anti-interference
- ✓ Transmitting and receiving all digital process, stable and reliable
- ✓ IP rating of IP 65

CRT 15DG

Cable Route Tracer

Cable Route Tracer CRT 15DG is an essential item in the kit for fault location of underground power and telecom cable network.

It is a powerful audio frequency system that can be effectively used for various unique functions such as route tracing of any metallic cable, depth measurement, live loaded cable tracing and ground survey of underground utilities.

The system is capable of tracing the route of underground cable maximum 20km, and find out the depth up to 5 meters, This method is found to give more accurate results in the presence of other metallic utilities nearby.

The system can be used to trace the route of loaded live cable with the help of the receiver unit and search coil in passive mode.

It is also used to carry out ground survey and metallic pipe route tracing in inductive mode effectively.

Applications

It is used for route tracing of any underground metallic cable in power transmission, distribution and signal cable networks or cable fault location service provider.

- Cable (live and dead cable)
- Metallic pipeline
- Nonmetallic pipeline

Usage:

- Route tracing
- Depth measurement
- Construction pipeline survey

Technical Details

CRT 15DG

TRANSMITTER

Output Mode	Direction connection, Clamp coupling, Radiation
Output Frequency	640, 1280, 8k, 33k, 82k, 197kHz
Output Power	15W max, 10 levels adjustable
Impedance matching protection	Auto
Over voltage, over current protection	Auto
HMI	320X240 Black and white LCD
Power Supply	Built-in lithium battery standard 7.4V, 6AH
Charger Input	AC 100-240V,50/60Hz
Charger output	DC 8.4V, 2A
Dimension	280 mm x 220 mm x 90 mm
Weight	2.3 Kg.
IP Rating	IP 65
Work Environment	-10°C–50°C - 5-90%RH, <4500m

RECEIVER

Receiving Mode	Built-in coil, Built-in magnetic field sensor, Flexible clamp, Sensor
Detection Mode	Wide peak, narrow peak, valley mode, history curve, frequency spectrum
Active Frequency	640Hz, 1280Hz, 8kHz, 33kHz, 82kHz, 197 kHz
Passive Frequency	50/60Hz,power frequency and, 4-24kHz radiation frequency
HMI	320 x 240 color LCD, clear under sunshine
Power	built-in lithium battery, standard 7.4V, 3AH
Charger Input	AC 100-240V, 50/60Hz
Charger Output	DC 8.4V 2A
Dimension	680 mm x 120 mm x 277 mm
Weight	2 Kg.
IP rating	IP 65
Work Environment	-10°C to 50°C - 5-90%RH, <4500m

ACCESSORIES COMBINATION

Standard	Optional function module	Optional accessories
■ Transmitter	■ L1/L5 high-precision GPS module	■ Depth measurement auxiliary sensor
■ Receiver	■ Built-in storage module Bluetooth communication module	■ Mini sensor
■ Direct connection clips	■ PCM magnetic field detection module	■ Output booster and A frame
■ Transmitter clamp		■ Nonmetallic pipeline output probe
■ Receiver flexible lamp		■ Industry tablet PC
■ Charger x2		

Note : Picture is for illustration purposes only.

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