



Features

- ✓ Route tracing of buried underground any metallic cables up to 15 km
- ✓ LCD Bar-graph on Audio frequency receiver unit for precise indication of cable route tracing.
- ✓ Route tracing of underground live cables with passive frequency and inductive coupling.
- ✓ Depth Measurement up to 5m with direct measurement.
- ✓ Peak and null reception methods for route tracing of cables.
- ✓ Pin-pointing of contact nature faults.

CRT 10D, 50D, 200D

Cable Route Tracer

Cable Route Tracer CRT 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 to trace route of underground cable maximum 15 km, and find out the depth up to 5 meter, This method is found to give more accurate results in presence of other metallic utilities in close proximity.

The system can be used to trace route of live cables under load with the help of receiver unit and search coil in passive mode. It is also use to carry out ground survey and metallic pipe route tracing in inductive mode effectively.

Applications

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

Technical Details
CRT SERIES

MODEL NAME	CRT 10D	CRT 50D	CRT 200D
Audio Frequency Generator	AFG 10	AFG 50	AFG 200
Output Power	1, 2, 5 and 10 Watts selectable	5, 10, 25 and 50 Watts selectable	5, 25, 50, 100, 200 Watts selectable
Output frequency	From 0.5 to 1000 Ohms selectable		
Indication	Analog meter indication to indicate of transmitted power and matching ON Indication		
Power Supply	230V AC \pm 10%, 50 Hz Single phase or external 12 Volt DC of Internal rechargeable accumulator.	230V AC \pm 10%, 50Hz Single phase	230V AC \pm 10%, 50Hz Single phase
Operating Time	Internal accumulator 1.5 Hrs on 10 Watts Mains and Ext. DC Power supply no time limit.	Ext DC power supply no time limit	3 hours
Storage Temp.	-5°C - 60°C		
Working Temp.	0°C - 55°C		
Dimensions (LxHxD) in mm	270 mm x 248 mm x 175 mm	343 mm x 132 mm x 305 mm	480 mm x 510 mm x 235 mm
Weight	5.45 Kg Approx	9.5 kg Approx	30Kg Approx.

AUDIO FREQUENCY RECEIVER AFR 4D

Receiving Frequency	Receiving three sinusoidal AC signals at distinct frequencies: 480 Hz (low frequency), 1.45 kHz (intermediate frequency), and 9.82 kHz (high frequency)
Receiving mode	Peak & Null
Signal interface	Three interfaces of digital size, grating length, and audio prompt simultaneously indicate the strength of the signal
GPS (Optional)	Available
Display interface	Large-screen, graphic display, with backlight
Gain Control	Manual adjustment, dynamic range 000 - 100db
Detection length	When directly connected to the cable, the maximum length is 15 km.
Depth Measurement	up to 5m (On direct Connection)
Depth Accuracy	5% of buried depth
Current Measurement	Direct reading current
Power Source	1.2V X 6 rechargeable battery
Stand by Time	More than 12hours, power prompt
Working Temperature	0°C - 55°C
Storage Temperature	-5°C - 60°C
Dimensions	690mm x 110mm x 230mm
Weight	1.8 Kg Approx

Note :
Standard Accessories

- Transmitter Coil TC8
- Operating Manual
- Standard Warranty : 12 months
- Cable of other lengths shall be available as per requirement
- Connecting Cords
- Transmitter Tongs CTS120 (Optional)
- Size and weight may increase for optional features
- Picture are for illustration purposes only.
- Specification can be changed without any notice