



power

## CRT 200

### Cable Route Tracer

#### Features

##### CRT 200

- ▮ To trace route of underground cables.
- ▮ Measurement of depth of lay of cable.
- ▮ To pinpoint short type cable faults.
- ▮ To trace route of loaded live cable.

#### Application

##### CRT 200

##### FUNCTION

For Pin-pointing cable fault in buried cables, the system is used to determine exact lay of the cable. It also identifies the required cable in the bunch of cables. The system is employed to pin-point a contact nature fault where surge wave system can not be used. detection of Live loaded cables can be accomplished successfully by using the system.

##### OPERATION

- ▮ Audio Freq. Generator coupled to the cable directly generates concentric electromagnetic field around it over its entire length. The presence of the above field is detected by a highly selective and sensitive receiver with a search coil.
- ▮ Signal pattern at search coil offers depth measurement, location of joints and pin-pointing of contact nature fault.
- ▮ Signal Pattern received by a special probe facilitates identification of wanted cable among bunch of cables.
- ▮ The system successfully indicates presence of underground metallic utilities such as pipe lines and Live loaded cables.

##### STANDARD ACCESSORIES

- ▮ Headphone HP-1
- ▮ Earth Spikes

**CABLE FAULT LOCATING INSTRUMENTS**



LEADERSHIP THRU INNOVATION

## Specifications

### CRT 200

#### Audio Frequency Generator - AFG 200

Output	: 5 - 25 - 50 - 100 - 200 Watts selectable.
Output Frequencies	: 480 Hz - 1.45 kHz - 9.82 kHz selectable. (All frequencies quartz-controlled)
Matching	: Matching of the Output impedance of the connected cable is carried out in the range 0.5...1000 Ohms.
Indication	: Meter Indication of - relative transmitted power and matching
Current Supply	: Mains connection 230 V 10% AC 50 Hz
Dimensions (mm)	: 411 (L) x 160 (H) x 400 (D)
Weight	: 20 Kg.

#### Audio Frequency Receiver - AFR 4 with active filter circuit

Receiving Frequencies	: a. Passive : 50 or 60 Hz    b. Active : 480 Hz, 1450 Hz, 9820 Hz.
Gain	: 100...7000 Hz greater than 90 dB
Indication	: LCD bar - graph display with scale illumination for : a. Signal strength    b. Battery status.
Dimensions(mm)	: 240 (L) x 110 (H) x 155 (D)
Weight	: 1.6 Kgs with batteries.

#### Universal Search Coil - SC 4

Receiving Frequencies	: (50 Hz - 480 Hz) - 1.45 kHz - 9.82 kHz switchable
Axis of coil	: Can be swivelled 45 deg. / 90 deg.
Dimensions(mm)	: 470 x 80 x 207
Weight	: 1.05 Kg (approx)