

power **SLE 90**

## Surge Wave Receiver fault locating instrument



### Reliable and cost-effective instrument for pre-location & pin-pointing cable faults

Occurrence of cable fault cannot be avoided due to many factors. Long outage of a cable from service results in heavy loss of revenue to the power distribution company, production loss to industries as well as unpleasant condition to general public. This requires an efficient instrument capable of locating the fault in minimum possible time and restoring the supply.

SLE 90 is a highly sensitive instrument to exactly locate the fault point in a short time.

It can be used on LT as well as HT networks effectively.

#### Route Location

The success of locating exact fault point on the underground cable depends on the search carried out on the lay of the cable. This calls for an indication to guide the operator to walk precisely on the route.

The magnetic channel in dual LCD display indicates the strength of magnetic field on the ground surface. This helps the operator to reach the fault point in a short time.

#### Mute Operation

The ambient noise picked up by the ground microphone gives problem during pin-pointing. SLE 90 offers the facility of opening the acoustic window for a short period at the arrival of magnetic signal and register magnetic and acoustic levels on dual LCD display. This offers noise free operation and the fault is pin-pointed in a short time.

#### Pin - Pointing

When the ground microphone is kept on the ground surface, distant from the fault point on the route of the cable, only magnetic signal is received. Depending on the soil and fault condition, the noise and vibrations are received by it from a certain distance and the acoustic channel starts showing its presence. Pin-pointing the fault is hence achieved in the shortest possible time.

#### Customer Service

All instruments have been designed based on safety, capability, field application, ruggedness and ease of operations. We try to offer the best possible solutions for the job. We not only offer our after sales services to the customers through our branches / authorized agents, but also offer training to the working staff of the customer under specialized training programs.

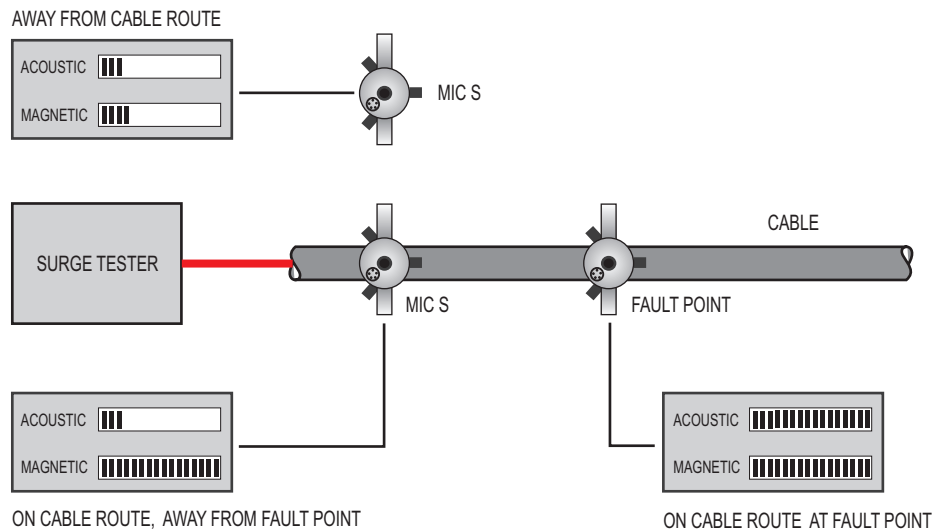
I N C O R P O R A T E D

**CABLE FAULT LOCATING INSTRUMENTS**

LEADERSHIP THRU INNOVATION

## Application

### SLE 90



## Specifications

### SLE 90

Acoustic Channel	: Broad band filter 70 - 3000 Hz.
Magnetic Channel	: 9820 Hz $\pm$ 10 Hz bandwidth filter.
Indication	: Dual LCD bargraph display to indicate the levels of acoustic and magnetic channels and to check battery status.
Grain	: More than 96 dB for both the channels.
Input Impedence	: 500 Ohm for ground microphone.
Output Impedence	: 500 Ohm for headphone.
Current Supply	: 1.5 V X 8 AA size batteries.
Operating Time	: More than 12 hrs. continuous.
Weight	: 1.5 kg. with batteries.
Dimensions (mm)	: 240 (L) x 80 (H) x 190 (D) mm
Operating Temperature	: -10 deg C to 50 deg C
Storage Temperature	: -15 deg C to 55 deg C
Standard accessories	: Ground microphone MIC - S, Headphone AH1

## Associated Surge Tester models in SWT series

SWT 4	2 - 4 kV / 500 Joules	for fault location in LT cables
SWT 16	4 - 8 - 16 kV / 500 or 1000 Joules	for fault location in LT / medium voltage cables
SWT 32	8 - 16 - 32 kV / 1000 or 2000 Joules	for fault location in Medium / HT cables