

HICOMP**HT Cable Fault Locating System**

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

HICOMP 16 compact module comprises of minimum configuration of high voltage cable fault locating instruments, mounted on a robust trolley.

The system offers the following:

- ▮ Portable cable fault locator: for pre-location of fault distance using TDR method
- ▮ HV surge tester for pinpoint location of flashover faults
- ▮ Surge Receiver with ground microphone: for pinpointing fault by acoustic method
- ▮ Insulation tester for IR measurement of the cable under test
- ▮ HV, mains supply and earth cable drums
- ▮ Storage cabinet

High Voltage Surge Tester SWT 16**HICOMP****Specifications**

Power Supply	: 230 V AC \pm 10% 50 Hz
Output Ranges	: 0-4, 8, 16kV
Energy Output	: 500 Joules at each Range (Optional 1000Joules)
Indication	: Analog Moving Coil Meter for kV Indication
Protection	: 1) Variac Zero inter Lock 2) Out put Plug inter Lock 3) HV Switch inter Lock 4) Over Heat Protection
Impulse sequence	: Single impulse, 1.5, 3, or 6 Second Intervals
Dimensions	: 450 (L) x 310 (W) x 580 (H) mm
Weight	: 57 Kg

Portable Cable Fault Locator TFL 5

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Specifications

Fault Distance Range (In Meters)	: 50m, 100m, 200m, 800m, 1600m, 3000m & 6000m
Measurement Mode	: Auto or Manual
Fault Measurement Accuracy	: $\pm 1\% \pm 1$ m
Pulse Width	: 30 nsec to 3msec
Pulse Waveform	: Square
Pulse Amplitude	: 24 V pp
Cable Constant (VOP) range	: 50 to 150 m/ μ s
Measurement dead zone	: 1 meter
Auto Measurement dead zone	: 15 meter
Output Impedance	: 50~150 Ohms
Sampling Speed	: 500 MS/s
Memory Location	: Sufficient to store 20 Wave-forms set-ups
Serial port for PC / Printer	: RS 232C
Resolution	: 20 cm
Gain Range Control	: 1:10
Display Readout	: Liquid Crystal Display 320 x 240 Pixel (Back-lit)
Power Supply	: 7.2 V rechargeable Li - Ion battery 2.2 AH Capacity built in charger Ext. DC Input : 12 V
Timer	: Built in timer automatically switches off after 5 minutes to save the battery power.
Alarm	: It gives audible alarm when high voltage (> 50V) appears on test leads, ensuring operator's safety
Weight	: 1 kg approx.
Dimensions	: 205 x 160 x 54 mm approx.
Accessories	: Operation/Service Manual Mains cable Output cable PC Software for data transfer Serial Cable (RS 232C) Carrying Case
Environmental Spec.	: Operation : 0 deg C to 50 deg C Storage : -10 deg C to 60 deg C
Working Temperature	: 0 deg C to 55 deg C

Option : Computer aided fault locator TFL 7/TDR 2000 or similar

Insulation Tester MEG 1D

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Specifications

Rated voltage	: 250/500/1000 V
Output voltage	: Rated voltage $\pm 10\%$ (Load 20 Mohm)
Measuring range	: 0.1 - 1999 Mohm
Output short circuit current	: ≥ 1 mA

Surge Wave Receiver SLE 90

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Specifications

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	: -15deg C to 55 deg C
Standard accessories	: Ground microphone MIC - S, Headphone AH1

Cable Drums

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HV Output cable: 10 sq mm co-axial flexible, 30 kV DC

Mains cable: 1.5 sq. mm 250 V AC, 3 Core PVC Flexible cable

Earth cable: 10 sq. mm single core PVC Flexible cable

Note : Cable drums can be supplied as per customer requirement