

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

LOCOMP compact module comprises of minimum configuration of low 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
- ▮ LV 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

Portable Cable Fault Locator TFL 5

LOCOMP



Specification

Fault Distance Range (In Meters)	50m, 100m, 200m, 800m, 1600m, 3000m & 6000m
Measurement Mode	Auto or Manual
Fault Measurement Accuracy	$\pm 1\% \pm 1\text{ m}$
Pulse Width	30 nsec to 3msec
Pulse Waveform	Square
Pulse Amplitude	24 V pp
Cable Constant (VOP) range	50 to 150 m/ μs
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° C to 50° C Storage : -10° C to 60° C
Working Temperature	0° C to 55° C

Low Voltage Surge Tester SWT 4

LOCOMP



Specification

Power Supply	230 V AC \pm 10% 50 Hz
Output Ranges	0-2, 4kV
Energy Output	500 Joules at each Range
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 300 (W) x 455 (H) mm
Weight	44 Kg

Insulation Tester MEG 1D

LOCOMP



Specification

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	\geq 1 mA

Surge Wave Receiver SLE 90

LOCOMP



Specification

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.
Gain	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 $^{\circ}$ c to 50 $^{\circ}$ c
Storage Temperature	-15 $^{\circ}$ c to 55 $^{\circ}$ c
Standard accessories	Ground microphone MIC - S, Headphone AH1

Cable Drums

LOCOMP

HV Output cable: 6 sq mm co-axial flexible, 6 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

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