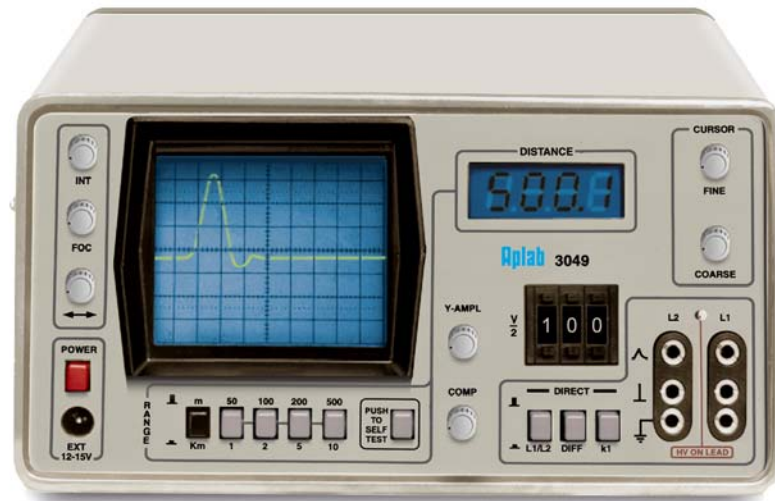


## Cable Fault Locator (LCD Display with Cursor)



### Features

- ★ Meets Current European PTT / TEC (India) Standards
- ★ Time Domain Reflectometry Technique
- ★ Direct Digital Readout in Meters
- ★ 4½ Digit LCD Display
- ★ Impulse Display on CRT
- ★ Cursor Setting for Accurate Measurements
- ★ ±1% Accurate
- ★ Shortest Fault Location
- ★ 10m - 10Km Ranges
- ★ Built-in Battery Powered or Mains Operation
- ★ Built-in Timer to Save Battery Energy
- ★ Built-in Battery Charger
- ★ Low-Batt Indication on LCD Display
- ★ Tests any Type of Paired or Coaxial Telecom Cables
- ★ Self Check Facility
- ★ Test Modes Direct with Resistive Matching Pair Comparison L1/L2 Difference Coupling L1 - L2
- ★ Easy to Use, Light Weight, Rugged, Portable with Carrying Case
- ★ High Voltage on Lead Indication

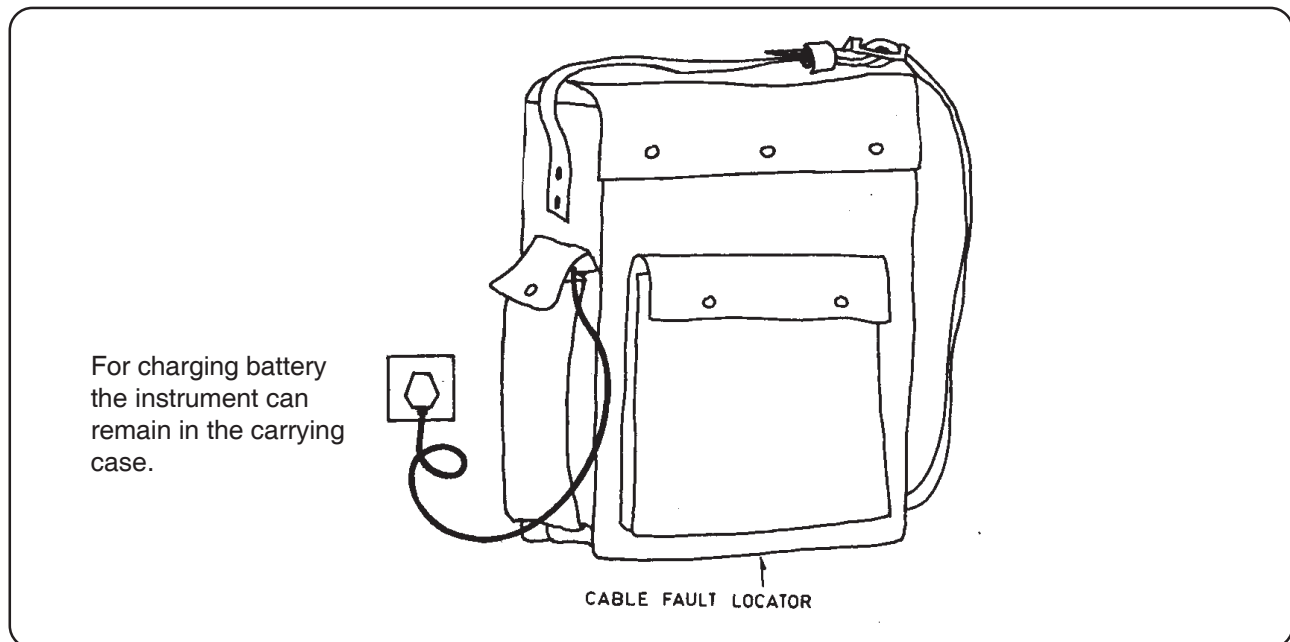
### Description

The Cable Fault Locator Model 3049 is a portable field instrument working on the TDR principle and is designed to locate faults in unloaded telecommunication cables. It locates open and short circuits, series and shunt faults, split pairs and corrected splits, crosstalks and points of impedance change. The movement of the cursor to the fault position on the CRT display directly indicates the distance to the fault in meters on the LCD display. The instrument is designed to work on one line (L1), to compare L1 and L2 or to display the difference. Crosstalk points such as split pairs can be located by transmitting the pulse on L1 and receiving it on L2.

## Specifications

<b>Fault Distance Ranges</b>	: 50m,100m, 200m, 500m, 1Km, 2Km, 5Km, 10Km.
<b>Fault Measurement Accuracy</b>	: $\pm 1\%$ of Range.
<b>Pulse Width Ranges</b>	: 45, 70, 100, 200, 500, 725, 1500, 2500. (nsec $\pm 10\%$ ).
<b>Pulse Waveform</b>	: Square.
<b>Pulse Voltage</b>	: 0.6V - 12V p-p depending on range.
<b>Output Impedance</b>	: 150 $\Omega$ .
<b>Cable Constant Input</b>	: V/2 in 0 to 150 meters/ $\mu$ sec (digital).
<b>Fault Distance Read-out</b>	: 4½Digit LCD Display.
<b>CRT Display</b>	: 68 mm x 55 mm (10 x 8 div).
<b>Sensitivity</b>	: 150mV p-p produces 8 vertical divisions display.

<b>Power Supply</b>	
Internal	: 230V $\pm 10\%$ Mains or 12V DC. (2 x 6V - 3.5 AH rechargeable Lead Acid Maintenance Free Batteries).
External	: DC 12V - 15V, 1.5Amp.
<b>Timer</b>	: Built-in Timer switches power off automatically after 5 minutes (approx.) to save battery energy.
<b>Weight</b>	: 5.4 Kgs. (approx.).
<b>Dimensions (mm)</b>	: 325 (D) x 225 (W) x 120 (H) (approx.).
<b>Standard Accessories</b>	: Instruction Manual - 1 No. Ext. DC Power Lead - 1 No. Test Lead 3 Pin - 2 Nos. Carrying Case - 1 No.
<b>Environmental Specifications</b>	: Normal : 10°C to 40°C RH 85 % Operational : 0°C to 50°C RH 85%.



WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.

## Aplab Test & Measurement Instruments

### APLAB LIMITED

APLAB HOUSE, A-5, WAGLE ESTATE, THANE 400 604. INDIA. TEL : 25821861 FAX : 91-022-2582 3137  
EMAIL : tmsales@aplab.com WEBSITE : www.aplab.com

- BANGALORE Tel. : 080-23576001 to 07 Fax : 23576008 E-mail : aplabblr@aplab.com
- CHENNAI Tel. : 044-26680472, 26680477 Fax : 26680473 Email : aplabchn@aplab.com
- KOLKATA Tel. : 033-22455435, 22848834 Fax : 22454294 Email : aplabcal@aplab.com
- MUMBAI Tel. : 022-29201787, 29204642, 29203468 Fax : 29209066 Email : aplabwr@aplab.com
- NEW DELHI Tel. : 011-23515183/86, 23627467 Fax : 23634709 Email : aplabnd@aplab.com
- SECUNDERABAD Tel. : 040-27811012, 27843351, 27720339 Fax : 27897788 Email : aplabsec@aplab.com