



## TFL B5

### Cable Fault Pre-locator

It is a menu driven microprocessor based cable fault prelocator is designed for ease of use.

It combines with both Time domain Reflectometer (TDR, pulse reflection ) and intelligent bridge testing (Bridge) for measuring the exact fault location such as open / broken circuit faults, short circuit faults, cross faults, earth faults poor or low insulation faults in telecommunication or signal cables.

It is capable of giving IR test and Displays insulation resistance in Meg Ohm in bridge mode.

## Features

- ✓ TDR mode & Bridge mode
- ✓ Measurement maximum 16 km in selectable ranges.
- ✓ Portable design and easy to use.
- ✓ Menu driven operation.
- ✓ Tests any type of copper telecom and signal cables.
- ✓ Comparison between healthy with faulty cables.
- ✓ Use of high speed Micro-controller.
- ✓ Automatic selection of Range, VOP and Gain.
- ✓ Automatic testing mode.
- ✓ Manual testing function is preserved.
- ✓ Color LCD Display (480 x 280 dots) humanized operation interface.
- ✓ Six function keys and simple operation.
- ✓ Both pulse reflection (TDR) and intelligent bridge (Bridge) testing for open, short, or low insulation cable faults. With mega meter it enables to test insulation resistance and loop resistance.
- ✓ With Pen drive, Easy to upload memory data to computer.
- ✓ Rechargeable lithium battery with intelligent charger
- ✓ Continued 8 hours operating time on internal battery.
- ✓ Small size, light weight and Palm-held unbreakable ABS plastic housing.

## Applications

It is used to pre-locate short circuit, open circuit cable faults distance in TDR and Low insulation faults in bridge mode use in telecom / signal and pilot cable fault location.

**Technical Details**
**TFL B5**
**Specifications**
**Measurement Mode**
**TDR Mode & BRIDGE Mode**
**TDR Mode**

<b>Fault Distance</b>	16 Km (240m, 480m, 1000m, 2000m, 4000m, 8000m, 16000m)
<b>Range</b>	0 to 16 Km
<b>Fault Accuracy</b>	1 Meter
<b>Pulse Width</b>	40 ns - 10 us
<b>Pulse Waveform</b>	Two polarity pulse
<b>Pulse Amplitude</b>	0-30 V Adjustment adaptive
<b>VOP Range</b>	100 - 300
<b>Impedance Matching</b>	Automatic
<b>Gain Adjustment</b>	Automatic and Manual
<b>Testing Accuracy</b>	±1% x Cable length
<b>Measurement Dead Zone</b>	0 Meter
<b>Auto Measurement Dead Zone</b>	0 Meter
<b>Output Impedance</b>	25 - 120 Adaptive
<b>Sampling Speed</b>	100 MHZ
<b>PC Connectivity</b>	USB
<b>Resolution</b>	1 Meter
<b>Gain Range</b>	1-99
<b>Display Readout</b>	Color LCD and 480 * 280

**BRIDGE Mode**

<b>The max Length of Testing Cable</b>	10 Km
<b>Max Poor Insulation Resistance</b>	100 M Ohm
<b>Maximum Resistance of Defective Insulation</b>	100 M Ohm
<b>Power Supply</b>	7.4 V Rechargeable Li-on battery
<b>Charging Time</b>	3 Hours
<b>Operating Time</b>	8 Hours
<b>Charging Voltage</b>	230V AC ±10%, 50Hz, Single phase.
<b>Storage Temp.</b>	-15°C ~ +55°C
<b>Working Temp.</b>	-15°C ~ +45°C
<b>Dimension</b>	212mm(L) x 170mm(W) x 90 (H)mm
<b>Weight</b>	1.27 Kg Approx

**Standard Accessories**

- Carrying Case
- Re-chargeable battery charger / Adapter
- Connecting Test Cables
- Software CD
- 8 GB Pen Drive
- Instruction / User Manual