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

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

Standard Accessories

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

Note : 1) Specification subject to change without notice. 2) Picture is for illustration purposes only.