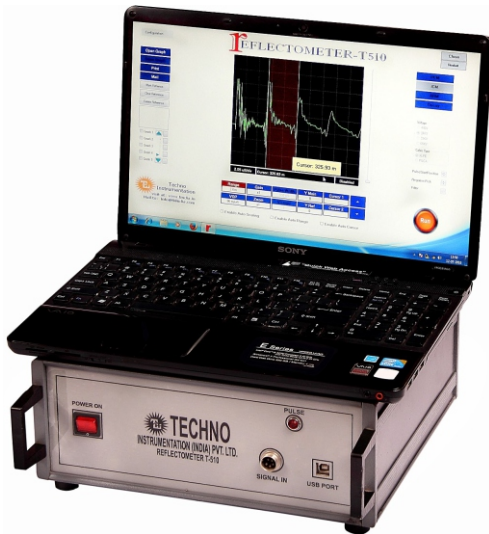


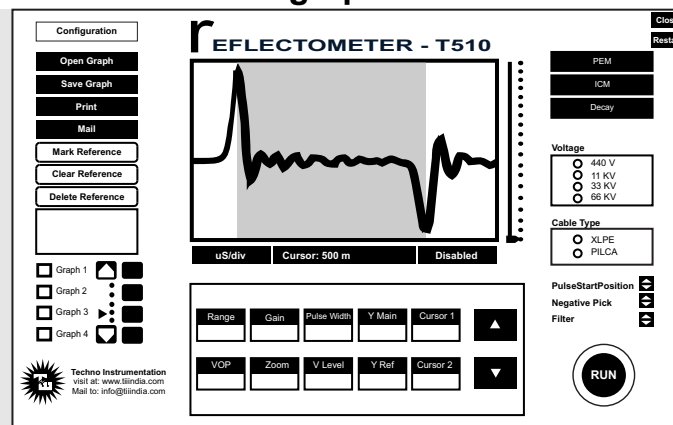
Techno Instrumentation(India) Pvt. Ltd.

Manufacturer of underground power cable fault locators

Reflectometer T-510



- Pulse Echo, Impulse current and Decay method provided to get the distance to almost all types of faults.
- Laptop based 15 inch display with user friendly interface for easy operation.
- Online support of experts to review fault graphs.
- Comparison feature of any 5 graphs for review and analysis to get more accurate results.
- Velocity of propagation(VOP) control makes it easy to precisely pre-locate faults in cables with different velocity.
- Automatic storage of more than 10 lakh fault graphs.



Description

It is a laptop based digital time domain reflectometer used for finding the distance to the fault from one end of the cable (Pre-Location).

Pulse echo method

Low voltage pulses are injected into the cable to locate open or short circuit low resistive faults up to 200 ohm(measured by multimeter) only. Provides total length of the cable.

Impulse current method(ICM)

High voltage surges with the help of surge generator are injected into the power cables. It gives the fault distance of almost all types of faults including low resistive, high resistive and intermittent faults.

Decay method

Decay method is most suitable for accurate pre-location of **Flashing faults**.

Interactive software

The interactive menu based graphical user interface makes it easy for even a layman to pre-locate the fault distance. The software automatically saves all the test results for future review and analysis with a huge storage capacity of more than 10 lakh graphs. It also allows us to compare any 5 selected graphs to review the fault conditions for more accurate result.

Technical Data

General

Pulse Amplitude	30 V peak to peak
Amplitude Range	100 mV/div to 10 V/div
Pulse Width	50 nanosecond to 5 microsecond in Pulse Echo Mode
Range	50 m to 50 km
Sampling Rate (Band Width)	200 MHz
Trigger Range	1 V to 15 V
VOP Range (Half)	50 m/microsecond to 150 m/microsecond
Interface	USB
Power	230 VAC
Dimensions	32 x 32.5 x 13 cm (Lbh)
Weight	6.22 Kg (approx.)
Accessories Included	Laptop, Signal cable, Pulse echo cable, USB cable, Power cord, Instructions manual

Software

Interface	Menu based Graphical User Interface (GUI), Microsoft Windows operating system
Resolution	1366 x 768 pixels
Storage	More than 10 lakh graphs in FLT (fault file) in Month:Date:Time format