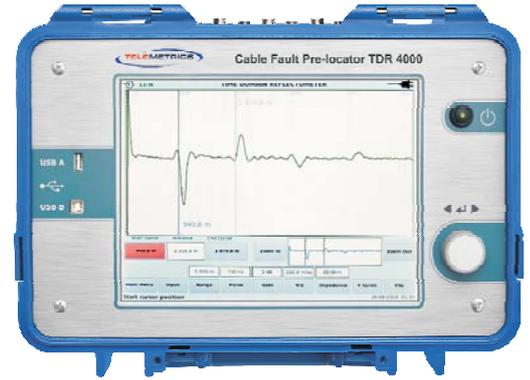


TDR 4000 Cable Fault Pre-locator



Description

TDR 4000 provides you with 10.4-inch bright high-contrast TFT display with touchscreen. The 800*600 pixels resolution makes the picture sharp. The touchscreen allows an operator navigate through the menu fast and easy. An alternative way of navigation is included. It is provided with a control knob.

TDR 4000 integrates a multiple ways of fault prelocation. It can be used either as a standalone device in TDR mode or in a conjunction with HV-module.

(e.g. Cable test van or Surge wave generator), working in arc reflection (ARC), impulse current (ICE) and decay modes. A high-capacity internal battery allows working up to 8 hours.

TDR 4000 has both RS-485 and USB interfaces. The package content includes software for PC (optional), which allows working with saved reflectograms. The firmware is easily updated through USB interface by inserting a flash drive.

Application

Battery powered Digital Impulse Reflectometer (TDR) TDR 4000 designed for determining the distance to a fault in communication and power cables.

Features

- Determining the distance to a fault or discontinuity in symmetric and asymmetric cables using a location (time domain reflection) method.
- Measuring the length of a cable (including those wound on a drum) or distance to a fault or a short circuit
- Storing and processing the results of measurements both internally or using a supplied PC software
- As part of a Cable Test Van, determining the distance to a fault or discontinuity in cables with length of up to 100 km for all possible fault types without the need of preliminary full cable sheath burning.



Specifications

Operating Mode	TDR, ARC, ICE, Decay	Propagation velocity (V/2) resolution	0.1 m/us
Distance measurement ranges, m@v/2=100m/μs	60; 120; 250; 500; 1000; 2000; 5000; 10000; 20000; 50000; 120000	Pulse width	10ns – 100 000ns
Resolution		Control	Touchscreen and control knob
- 0.5 @ v/2	100 m/μs	Connectivity	RS-485, USB
- 0.4 @ v/2	80 m/μs	Internal data storage	4 Gb (not less than 1000 reflectograms with data)
Sampling rate	200MHz	Display	10.4", 800x600 TFT, touch-sensitive
Gain	-33 – 104dB	Internal battery	12 V (8 hours of operating when fully charged)
Output impedance (10 Ohm steps)	10 – 500 Ohm	External power adaptor	Input 230V 50 Hz Output 24 V DC
Propagation velocity (v/2)	50.0 – 150.0m/μs	Power consumption	36 W max
Averaging reflectograms number	64 max	Dimensions,	366 271 178mm
Time domain accuracy, % of FS	0.2	Net weight (with internal battery)	8.0 kg
Pulse amplitude	45V		

Telemetry Equipments Pvt. Ltd.

www.telemetry.in

Pune

5, 7 & 8 Electronic Sadan II, MIDC,
Bhosari, Pune - 411026
Maharashtra, INDIA.

+91-20-27122936 / 27123176
9011083682

sales@telemetry.in
telemetrysales@gmail.com

CIN
U99999MH1976PTC 018745

Regional Offices

Kolkata

Kunal@telemetry.in
09748487005

Delhi

vijayp@telemetry.in
09654045183

Chennai

vinoth@telemetry.in
09791715130

Specification subject to change without notice