TELSCOUT TS90

TDR Cable Tester For Fault Locating In Metallic Cables

• Find Distance To Fault In Cable • Know Type of Fault

In Association With

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Description :

The TS90 is the most advanced TDR fault locator based on Digital technology that provides distance to fault on :

- Signaling & Telecom Cables
- Control Cables
- LV Power Cables
- Coax Radar Installations
- CATV & COAX Networks
- Underground Mining Cables
- Ship Wiring

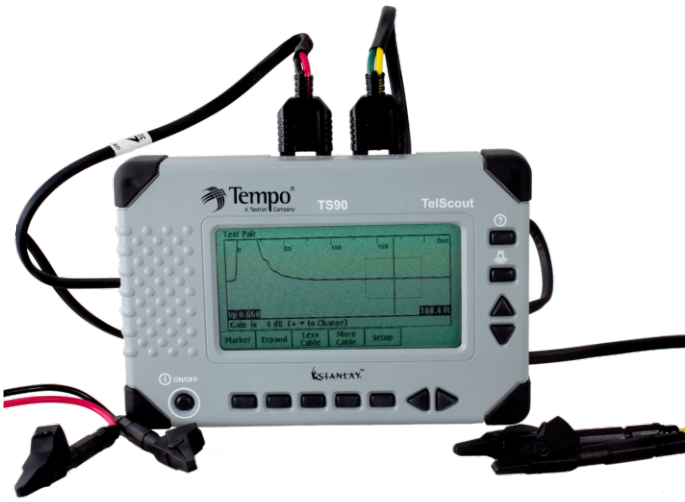
The TS90 is designed for "ease-of-use" – you'll spend less time operating the TDR, and more time repairing faults. Simply select the cable type to be tested and the TS90 does the rest. Impedance, gain, pulse width, and vertical position are automatically selected and adjusted as you scan the cable. Just move the cursor to the fault to pinpoint its location & know the distance to fault.

On the performance side, the TS90 employs optimized pulsing and sampling, coupled with advanced filtering and signal processing techniques, to ensure the maximum measurement range. That way, you'll always have a clean waveform for easier fault interpretation.

Short Pulse Width

The TS90 provides a 5 ns pulse width for close-in resolution. Faults as near as 3 ft. from the pedestal can be located with ease.

Rugged Package: Performance in a rugged handheld TDR package. Designed to work in any condition weather snow, rain, heat, and humidity.



Locate Type of Faults : Open, Shorts, Load Coils, Bridged Taps/Laterals & Water In Copper Cables

Secondary Application : Measure Actual Cable Lengths.

Features :

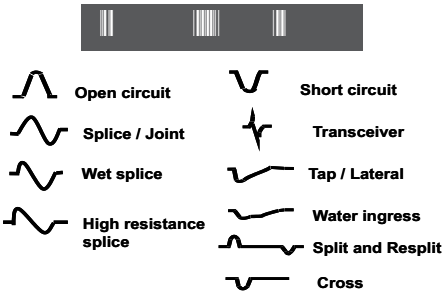
- Upto 15 Km (45,000ft.) Fault Location Capabililty
- Accuracy (±3ft. at 10,000 ft.)
- One-Step Setup
- Configurable for Any Cable Type and Vp (0.300 to 1.000)
- Measures Distance to Fault in Feet, Meters, or Time
- Single-Button Zoom Function
- Two Pair Test Capability
- Automatic Instrument Control Mode
- Splash and Drip Proof
- Pair Comparison Mode
- Splits/Crosstalk Mode
- Intermittent Fault Location
- On-line Tutorials
- Large Backlit Display

* Depending on Cable Type

Applications :

For

- **Telephone cables**
- **Railways signaling cables**
- **LV power cables**
- **Highway street lighting**
- **Control Cable**
- **Airport Cabling**



Principle : Time domain reflectometry, pulse reflection principles to detect impedance changes along a cable.

Specifications :

TelScout TS90 Characteristics	
Test Signal Output	1/2 Sine, balanced.
Amplitude	6 V into 105 .
Output Impedance	105 nominal.
Pulse Widths	5 ns to 2,500 ns (automatic).
Input Protection	±200 V, DC + peak AC, to a maximum of 440 Hz.
Maximum Range	15,000 m (45,000 ft.) depending on cable type and condition.
Cursor Resolution	0.4% of selected range.
Display	5.25-in. high-contrast, high-resolution, backlit LCD, 520 x 200 pixels.
Display Ranges	Eleven automatic display ranges plus single-button expand window.
Filter	High pass, cutoff frequency 150 kHz, user selectable.
Amplifier	5 mV reflection produces a full-screen vertical deflection.
Gain	0 to 63 dB.
Horizontal Design Accuracy	0.01% ± 300 ps ± Vp uncertainty ± cursor resolution.

General Characteristics :

Power	
Battery Type:	Six AA Alkaline.
Operating Time:	>4.5 hrs. with backlight off.
Battery Saver:	Selectable for 5 to 30 minutes or disabled.
Physical	
Dimensions	141 x 211 x 43 mm
Net Weight	1 kg

Illustration :

Selecting a Cable & Setting Velocity Propagation (VP)

Displays Open End Fault

Displays Short Circuit Fault

Item Code : ST-TS90

Product Supply Includes : Test Leads (two pair), Carrying Case, Alkaline Batteries (six), User Manual

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