

TelScout™ TS90TDR Cable Tester for Telephone Applications

APPLICATIONS:

If your job is to find faults on telephone twisted pair cable, the Tempo TelScout[™] TS90 is built for you. Designed specifically for telephone local loop applications, the TS90 applies the newest technology to provide both ease of use and telephony performance that cannot be found in any other TDR.

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, Vp, 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.

On the performance side, the TS90 employs optimized pulsing and sampling, coupled with advanced filtering and signal processing techniques, to insure 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

Best of all, you get all this performance in a rugged handheld TDR package. Come snow, rain, heat, and humidity, the TS90 keeps working, because you have to



FEATURES:

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

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

General	Environmental		Physical			
Characteristics				Dimensions	mm	in.
		Non-operating: –20° C to +60° C. Humidity – 95% RH, non-condensing. EMI Emissions – EN55011 class A.		Height	141	5.6
				Width	211	8.3
				Depth	43	1.8
				Weight	kg	lb.
	Power		-	Net	1	2.2
		Battery Operation – Battery Type: Six AA Alkaline. Operating Time: >4.5 hrs. with backlight off. Battery Saver:				

Selectable for 5 to 30 minutes or disabled.

Ordering	TelScout TS90		LANGUAGE	OPTIONS
Information		Includes: Test Leads (two pair), Carrying Case,	Standard –	English.
		Alkaline Batteries (six), User Manual.	Option L1 –	French.
		TS90 OPTIONAL ACCESSORIES	Option L3 –	German.
		Rechargeable NiCad Battery Pack – THM5BAT.	Option L4 –	Spanish
		External Charger for NiCad Battery Pack – THM5CHG.	Option L6 –	Portuguese/Spanish (Portugues default).
		Includes: DC Adapter, Charger Pedestal, and one of following wall transformers (specify when ordering): Standard – 110 V US. Opt. A1 – 220 V Universal Euro. Opt. A2 – 240 V UK. Opt. A3 – 240 V Australia.	Option LC –	Czechoslovakian.
			Option LD –	Dutch/French (Dutch default).
			Option LF –	Finnish.
			Option LS –	Swedish.
		Strand Hook (D-Ring) – 354074500.		



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