

# CABLESCOUT® TV90E

## THE TDR FOR EVERYDAY USE BY EVERY TECHNICIAN

CableScout® TV90E offers a balanced mix of automation and manual testing that enables technicians to do their jobs right the first time. The TV90E delivers the latest TDR technology in a small, lightweight and rugged design to provide unrivaled ease-of-use and coaxial cable testing performance as well as telephone or Ethernet twisted pairs. With the TV90E, technicians will spend less time operating the TDR and more time repairing faults. Simply select the cable type to be tested and the TV90E does the rest. Pulse width, VP, gain, and vertical position are automatically selected and adjusted as you scan the cable.

The TV90E employs optimized pulsing and sampling, coupled with advanced filtering and signal-processing techniques you always have the cleanest possible waveform for the easiest event identification. The FastFind™ automatic fault locator function can quickly adjust the overview trace to the last fault on the cable speeding documentation of faults in real-time.

**The TV90E is the latest member in the long line of TDR's from Tempo Communications, and builds upon the success of some of the most trusted TDR's in the industry.**

### FEATURES

- Large, Color, HiRes Backlit Display  
(Readable Outdoors in Bright Conditions)
- Splash, Dust, and Shock-Resistant Packaging
- Zero Dead Zone
- 1, 5 and 25 ns pulse widths standard
- FastFind™ whole cable overview
- Protected 75 Ω F Connector
- Intermittent Fault Location
- Context-Sensitive Help Available for All Functions
- Small, Portable, Lightweight Package
- Internal Cable Types for Fast, Accurate Testing
- Rechargeable Lithium Ion Battery for 8+ hrs. of use



*Renewed Vision. Innovation Forward.*

[TempoCom.com](http://TempoCom.com)

# CABLESCOUT® TV90E

## TECHNICAL SPECIFICATIONS



### BENEFITS

- Locate Damage in Drops & Bad Passive Devices
- Find Impedance Mismatches  
(e.g. corrosion, water or cable type changes)
- 1 ns pulse width for precision
- Determine Length of Cable

### BASE MODEL KIT INCLUDES:

- TV90E "CableScout®"
- DC charger (12 V socket)
- AC PSU (universal)
- 2 metre COAX patch lead
- F type barrel connectors
- Shoulder Strap
- Basic Carry Bag
- SD Card (included)

### Pro Kit Extras

- SV-03 Adaptor
- BNC Adaptor
- Alligator clip cord

### ORDERING INFORMATION:

CAT. NO.	DESCRIPTION
TV90E	CableScout TV90E TDR (Pro kit)
TV90EB	CableScout TV90E (base kit)

### CHARACTERISTICS

OUTPUT PULSE	Test Signal	Pulse
	Type:	½ Sine Wave
	Width:	1 ns, 5 ns, 25 ns
	Impedance:	75 Ohm
Voltage:	>4V Peak	
INPUT	Protection*:	+/- 400VDC
	Filtering:	1, 2, 4, 8, 16, 32
PHYSICAL	Size:	262mm x 162mm x 55mm
	Weight:	900g
	Operating Temperature:	-20 to + 50 (0 to 30 charging) Celcius
	Storage Temperature:	-20 to +60 C

PERFORMANCE	Horizontal Resolution	204 ps (approx. 3"/75 mm)
	Maximum Distance:	9.5 kft (2.9 km) @ Vp=0.93
	Display Resolution:	800 X 480
	Display Size:	180mm 7" diagonal
	Backlight Brightness:	1000nits
	Test Result Storage:	SD card or USB drive
	Battery Type:	Li-Ion polymer
	Battery Capacity:	30 Wh; sufficient for >8 hr use with typical backlight
	Battery Life:	Battery Management System optimizes charging and lifetime

\* Overvoltage category I, 60V max without use of supplementary isolation device. Contact Tempo if you require such.

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