

# CABLESCOUT® 90

## THE TDR FOR EVERYDAY USE BY EVERY TECHNICIAN

Quickly identifying faults accurately is essential for the busy cable technician: CableScout® 90 (CS90) offers a balanced mix of automation and manual testing that enables technicians to do their jobs right the first time.

The CS90 delivers the latest TDR technology in a small, lightweight and rugged design to provide unrivaled ease-of-use and coaxial cable testing performance. CS90 is perfectly usable on other cable types too, e.g. telephone or Ethernet twisted pairs. With the CS90, technicians will spend less time operating the TDR and more time repairing faults. Simply select the cable type to be tested and the CS90 does the rest. Pulse width, VP, gain, and vertical position are automatically selected and adjusted as you scan the cable.

Finding the fault could not be faster, just move the cursor to the fault and use the one-button zoom function to pinpoint its location. The CS90 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 CS90 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  $\Omega$  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
- Span View Window Shows Entire Cable & Navigation.
- Narrow Pulse Width Enables Near-End Fault ID



*Renewed Vision. Innovation Forward.*

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

# CABLESCOUT® 90

## 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:

- CS90 "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                 |
|----------|-----------------------------|
| CS90     | CableScout 90 TDR (Pro kit) |
| CS90B    | CableScout 90 (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)<br>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<br>with typical backlight    |
|             | Battery Life:         | Battery Management System<br>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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