

CABLESCOUT® 90

THE TDR FOR EVERYDAY USE BY EVERY 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 as well as 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 a member of 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
- 2, 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

CABLESCOUT® 90

TECHNICAL SPECIFICATIONS



BENEFITS

- Locate Damage in Drops & Bad Passive Devices
- Super sensitive to find Impedance Mismatches
(e.g. corrosion, water or cable type changes)
- 2 ns pulse width for precision fault location at higher frequency
- Determine Length of Cable
- Automatic end-of-cable detection speeds up testing
- High-bandwidth low noise amplifiers make subtle faults more visible
- Save virtually unlimited traces to SD-Card for later analysis using Tempo Report Writer software
- Perform software updates in the field via SD Card or USB drive
- Customize cable libraries and share via SD-Card or USB drive
- Built in context sensitive help via ? button
- 13 languages

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
- Weather resistant Shoulder Bag
- SD Card (included)

Pro Kit Extras

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

ORDERING INFORMATION:

| CAT. NO. | DESCRIPTION |
|----------|-------------------------------|
| CS90 | CableScout CS90 TDR (Pro kit) |
| CS90B | CableScout CS90 (base kit) |

CHARACTERISTICS

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

| PERFORMANCE | Horizontal Resolution | 204 ps (approx. 3"/75 mm) |
|-------------|-----------------------|---|
| | Maximum Distance: | 14 kft (4.3 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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