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.
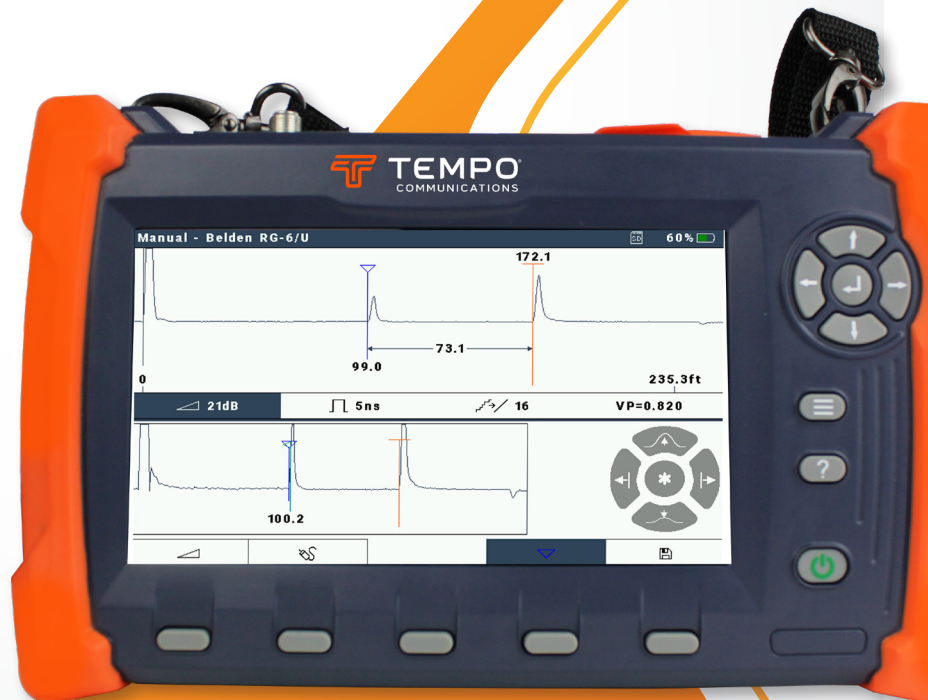
The CS90 delivers the latest TDR technology in a small, lightweight and rugged design to provide unrivaled ease-of-use and coaxial cable testing performance. CS90 is perfectly usable on other cable types too, e.g. telephone or Ethernet twisted pairs. With the CS90, technicians will spend less time operating 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 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
- Overview Window Shows Entire Cable & FastFind speeds Navigation to largest event.
- Narrow Pulse Width Enables Near-End Fault ID

TEMPO
COMMUNICATIONS

*Renewed Vision. **Innovation** Forward.*

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)
- 1 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:	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) 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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