

CableScout™ TV90

Features

- Large, High-resolution, Backlit Display
- Splash, Dust and Shock Resistant Packaging
- Easy to Use - Anyone Can Use It
- One Button Expand/Full-view Function
- 75 Ohm F Connector
- Intermittent Fault Location
- Context-sensitive Help (Help Screens Available for All Functions)
- Small, Portable, Lightweight Package (2.2 lbs.)
- Accurate (± 2 ft. up to 200 feet, 1% beyond)
- 4000-Foot Fault-location Capability
- Internal Cable Types for Fast, Accurate Testing



Applications

- Find Location of Damage In Drops
- Find Impedance Mismatches
- Locate Bad Passive Devices
- Determine Length of Cable

If your job is to find faults on coaxial cable, the CableScout TV90 is built for you. Designed specifically for CableTV and other coaxial cable applications, the TV90 applies the newest technology to provide both ease of use and coaxial cable testing performance not found in any other TDR.

With the TV90, you'll spend less time operating the TDR and more time repairing faults. Simply select the cable type to be tested and the TV90 does the rest. Pulse width, V_P , 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 TV90 employs optimized pulsing and sampling, coupled with advanced filtering and signal-processing techniques. You always have a clean waveform for easiest event identification.

Short Pulse Width

The TV90 uses a 6 ns pulse width for close-in resolution. Faults as near as 3 feet from the pedestal are located with ease.

Rugged Package

Best of all, you get all this performance and ease of use in a small, light, rugged TDR package. Come snow, rain, heat or

humidity, the TV90 keeps working because you have to.

Characteristics

Test Signal Output - 1/2 sine.

Amplitude (into 75 Ohm) - 6 ns pulse: 5 V. - 12 ns pulse: 6 V.

Pulse Widths - 6 and 12 ns. **Output Impedance** - 75 Ohm.

Input Protection - 200 V, DC + peak AC to a maximum of 440 Hz, 30 second duration.

Display Ranges - Eight automatic display ranges.

Gain - 0 to 63 dB.

Filter - High pass, cutoff frequency 150 kHz, plus averaging.

Distance Accuracy - 0 to 200 ft: ± 2 ft .
Beyond 200 feet: 1% + zero offset.

Display -

Resolution: 520 x 200 pixels.

Size: 5.25 inches.

Type: high contrast LCD.

Backlight: operator switchable.

Distance Measurements - Meters, feet, nanoseconds.

Auto Shutoff Time - Operator selectable: 5 to 30 minutes.

Temperature Range -

Operating: 0° C to +45° C.

Nonoperating: -20° C to +60° C.

Humidity - Operating: 95% RH, noncondensing at +30° C to +40° C.

Field Usage - Shock, splash and dust resistant.

EMI Emissions

EN55011, Class A.

FCC Part 15, Subpart B, Class A.

Battery Operation -

Battery Type: Six AA alkaline.

Operating Time: Over 4.5 hours with backlight off.

Dimensions	mm	in.
Height	141	5.6
Width	211	8.3
Depth	43	1.8
Weight	kg	lbs.
Net	1	2.2

Ordering Information

TV90 CableScout TDR

Includes:

BNC Female-to-Alligator Clips,
2 m Coaxial Jumper Cable,
F-to-BNC Barrel Adapter,
F-to-F Barrel Adapter,
F-to-KS Test Adapter,
Soft Carrying Case,
Users Manual,
Six AA Alkaline Batteries.

Recommended Accessories

Strand Hook (D-Ring) - Order 354-0745-00.

Rechargeable NiCad Battery Pack - THM5BAT.

External Charger for NiCad Battery Pack - THM5CHG.

Includes: DC Adapter, Charger, Pedestal and one of the following wall transformers (specify when ordering):

Standard - 110 V US.

Opt. A1 - 220 V Universal Europe.

Opt. A2 - 240 V UK.

Opt. A3 - 240 V Australia.

Opt. A6 - 110 V Japan.