If your job is to find faults on coaxial cable, the Greenlee CableScout® TV90 is built for you. Designed specifically for CATV 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, VP, gain, and vertical position are automatically selected and adjusted as you scan the cable. Finding the fault couldn’t be faster, just move the cursor to the fault and use the one-button zoom function to pinpoint its location.

On the performance side, 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.

**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
- Dedicated 75Ω F Connector
- Intermittent Fault Location
- Context-Sensitive Help (Help Screens Available for All Functions)
- Small, Portable, Lightweight Package (2.2 pounds)
- Accurate (±2 feet up to 200 feet, 1% beyond)
- 4000-Foot Fault-Location Capability
- Internal Cable Types for Fast, Accurate Testing
- Rechargeable Battery Pack

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

**TEST SIGNAL OUTPUT**

1/2 sine.

**AMPLITUDE (INTO 75Ω)**

6ns pulse: 5 V.
12ns pulse: 6 V.

**PULSE WIDTHS**

6 and 12 ns.

**OUTPUT IMPEDANCE**

75Ω.

**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 feet: ±2 feet.
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 and nanoseconds.

**AUTO SHUTOFF TIME**

Operator selectable: 5 to 30 minutes.
Disabled.

**ENVIRONMENTAL**

**Temperature Range:**
Operating: 0° C to +45° C.
Non-operating: −20° C to +60° C.

**Humidity:**
Operating: 95% RH, non-condensing 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.

**SAFETY COMPLIANCE**

Evaluated to:
UL3111.
CAN/CSA; C22.2, No. 1010.1.
EN61010-1.
Exempt from LVD (Low Voltage Directive).

**POWER**

**Battery Operation:**
Battery Type: Six AA alkaline.
Operating Time: Over 4.5 hours with backlight off.

**PHYSICAL**

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<th>Dimensions</th>
<th>mm</th>
<th>inch</th>
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<td>Height</td>
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<td>Width</td>
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<tr>
<td>Depth</td>
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<tr>
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<td>lb.</td>
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<tr>
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**ORDERING INFORMATION**

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<th>DESCRIPTION</th>
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<td>TV90 CableScout® TDR</td>
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<td>THM5BAT</td>
<td>60756</td>
<td>Rechargeable Battery Pack</td>
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<td>THM5AC</td>
<td>17299</td>
<td>AC Adapter 110V</td>
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<td>TS90-0350</td>
<td>17398</td>
<td>Soft Carrying Case</td>
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**DISTRIBUTOR INFORMATION:**