

**NEW!**

**HARRIS**

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# TS<sup>®</sup>90 Cable Fault Finder

Using TDR technology, instantly finds opens and shorts

## FAULT LOCATOR

INSTANTLY FINDS OPENS AND SHORTS UP TO 2500 FEET

## TONE GENERATOR

PATENTED SmartTone™ TECHNOLOGY  
5 TONES FOR EXACT IDENTIFICATION

## CABLE & WIRE MANAGER

MEASURE CABLE ON SPOOLS

This easy-to-use, competitively priced tester is three tools in one - a Fault Locator, a Cable & Wire Manager and a Tone Generator with SmartTone™ technology. Results appear as a distance reading rather than a waveform, so it's perfect for technicians unfamiliar with Time Domain Reflectometry (TDR). From just ONE END of any two or more conductor cable you can measure up to 2500 feet. Easily find the distance to opens or shorts on electrical wire, telephone wire, security wire and coax. Find and fix cable problems without pulling new wire or blindly cutting into walls. Intermittent faults are easier to find because the unit constantly measures while "On". It's perfect for inventory management of cable stock in trucks and warehouses and it can help you generate more accurate bids for jobs by quickly assessing needs and managing the cable stock with greater accuracy. Patented SmartTone technology gives you 5 distinct tones to use for exact wire and pair identification, even in proximity to current-bearing cable. Voltage detection in the unit will immediately sound an alarm if you accidentally clip onto an energized pair, up to 250VAC.

## TOP FEATURES OF THE TS90 CABLE FAULT FINDER

- Works on any 2 or more conductor cable
- Instantly measures distance to open or any fault from one end of any cable pair
- Tone generator positively identifies pair
- Measure cable distance on spool
- Measures constantly while "On"
- Displays distance reading rather than waveform
- Large LED screen
- High voltage detection
- Moisture proof
- One-button operation

- **One Button**
- **One Screen**
- **You're Testing!**



Works on any 2 or more conductor cable from just ONE END.

- Electrical Wire
- Telephone Wire
- Security Wire
- Coax

Up to 2,500 feet!

**Ordering Information:**

**TS90 Cable Fault Finder Specification Sheet**



Fault Location



Cable Inventory Management

**Specifications**

**Power**

4 AA alkaline batteries provide 50 hours "on" time. (Appx. 1 year, normal use).  
5 minute auto-off if unit is not connected;  
1 hour auto-off when connected.  
No damage if batteries are installed backwards.

**Input Protection:**

250V RMS AC, Continuous or Intermittent.

**Moisture:**

If exposed to water, TS90 will suffer no damage. See moisture notes in Notices section of manual.

**Impedance Range:**

Auto-compensation within 25 to 330 ohms. Cables with an impedance outside this range may produce erratic or incorrect readings.

**Maximum Length:**

The unit will display "-LL-" if the cable is too long to be correctly measured.

**Maximum Cable Testing Length:**

2500 feet.

**Minimum Length:**

No minimum length. Minimum non-zero reading is 2 feet.

**High Voltage Detection:**

AC voltage > 5 to 15 Volts RMS will trigger High Voltage Warning.

**Measurement Rate:**

Maximum of 4 complete measurements/second, decreasing to 2 seconds per measurement. Based on cable size and uniformity.

**Measurement Technology:**

Time Domain Reflectometry (TDR) with 50 ohm drive impedance, 6 V maximum pulse height. (Patents Pending).

**Tone Injection:**

Approximately 1 kHz at an amplitude of 80% battery voltage. Variable frequency and cadence. Tone changes when cable condition changes to "normal-open" from any other condition.

**Cable Type:**

Virtually all two or more conductor cables.

**Temperature:**

0° to 55° C operating; 0° to 70°C storage.

**Dimensions:**

7.4" Tall x 1.5" Thick x 2.75" Wide

**Accessory Ordering Information**

Part Number	Description
26500-090	TS90 Cable Fault Finder



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