

TS[®]100 Cable Fault Finder

The TS100 Cable Fault Finder is the easy to use, competitively priced cable management solution that saves time and money while it simplifies many common tasks. It's the fastest tool available for measuring to opens and shorts (even intermittent faults, because the unit measures constantly when "on") – all from one end of the cable.

One efficient tool

The TS100 works on virtually any two or more conductor cables up to 3,000 feet with no additional calibration for wire thickness, and uses 5 types of clips. With its patented tone generator, identifying a specific pair is quick and easy, even in proximity to current-bearing cable. Its bright, large LED screen and simple menu is easy to read, even in low light conditions. And when clipping on to an unidentified pair at a job site, with voltage up to 250 V AC, the TS100 will immediately sound an alarm.

The unit also works when moisture is present. Now, measuring cable or identifying tone on a specific line are no longer time consuming, two-person tasks. With the TS100, contractors can monitor cable inventory in trucks, warehouses, and generate more accurate bids for jobs by quickly assessing needs, and manage cable stock with greater accuracy. And, technicians can find and fix cable problems without pulling new wire, or



blindly cutting into walls or streets, saving additional time and money. The TS100 allows one person to get all these tasks done from just one end of the cable, with a single, competitively priced tool.

For more information, or to contact your local Fluke Networks representative, call (800) 283-5853 or email info@flukenetworks.com

Features:

- "3 Tools-in-One": fault locator, cable and wire manager, patented tone generator
- Instantly measures distance to open or any fault from one end of any cable pair
- Tone generator positively identifies pair
- High voltage detection
- Moisture proof
- Large LED screen and easy-to-use menu

See and locate cable faults faster

Specifications

Power	4 AA alkaline batteries provide 50 hours “on” time. (Approx. 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	250 V RMS AC, Continuous or Intermittent.
Moisture	If exposed to water, TS100 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	3000 feet (can test longer on certain cables)
Minimum length	No minimum length. Minimum non-zero reading is 1 foot.
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

NETWORK SUPERVISION

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