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Product Catalog

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Cable Fault Finder with Bridge Tap Detect

Brand: Fluke
SKU: TS100 PRO
Warranty:

- Handheld and ruggedly built for the outdoor environment
- Characterize your cable in seconds with the push of one button
- No training is required for confusing graphs to interpret
- Ideal for all levels of technician
- Detects bridge taps (unauthorized connections) in telecom cables

Specifications

Maximum Length	8,000 feet (2,438 meters) on certain cable types, 4,000 feet (1,220 meters) on most cable types, and 500 feet (152 meters) on cables with high loss. The tester shows -Err if the cable is too long to be correctly measured.
Representative Maximum Cable Length	8,000 feet (2,438 meters): CAT-3 Twisted Pair
Representative Maximum Cable Length	8,000 feet (2,438 meters): CAT-5 Twisted Pair
Representative Maximum Cable Length	6,000 feet (1,830 meters): 12/2 AC Wire
Representative Maximum Cable Length	3,000 feet (900 meters): RG-6/U TV Coax
Representative Maximum Cable Length	1,500 feet (457 meters): RG-174/U Coax
Minimum Length	No minimum length (can read a bridge tap at 0 feet/meters).
Minimum Length	Minimum non-zero reading is 2 feet or 1 meter.
Length Accuracy	"±2 feet (±0.6 m) for cables less than 10 feet (3 m)
Length Accuracy	±5 feet (±2 m) for cables longer than 10 feet (3 m) and shorter than 200 feet (60 m)
Length Accuracy	+/-3%+/-5 feet (±2 m) for cables longer than 200 feet (60 m)"
Distance to Bridge Tap	0 feet to 3,200 feet (975 meters)
Minimum Length of Bridge Tap	10% of the distance to the bridge tap. Dependent on the cable characteristics.
Measurement Rate	Maximum of 4 complete measurements per second, decreasing to 2 seconds per measurement based on cable size and uniformity.
VOP	Adjustable from 20 to 99, saved in flash memory.
Test Technology	Time Domain Reflectometry (TDR) with 100 Ω drive impedance, 6v maximum pulse height.
Cable Type	Virtually all two or more conductor cables.

Power	4 AA alkaline batteries.
Reverse Battery Protection	No damage to the tester will occur if the batteries are installed backwards.
Battery Life	35 hours (typical)
Low Battery Indication	LED display alternates between LO and bAtt when the battery voltage falls below 4.5v.
Maximum Output Voltage	4 voltage peak
Maximum Isolation Voltage	250 volts RMS
Voltage Measurements	Range: 0 volts AC to 115 volts AC; 0 volts DC to ±150 volts DC
Voltage Measurements	Accuracy: AC: +/-1%+/-2 volts (45 Hz to 65 Hz); DC: +/-1%+/-2 volts DC
High Voltage Detection	AC voltage detected to 115 volts; DC voltage detected to ±150 volts.
High Voltage Detection	AC voltage ≥90 volts or DC voltage ≥100 volts causes high voltage warnings to show on the display
SmartTone® (5-tones) Range	7,000 feet (2,134 meters)
Toner Range	52,800 feet (16,093 meters)
Tone Injection	Approximately 1 kHz at an amplitude of 80% of battery voltage. Variable frequency and cadence. Tone characteristics change as cable condition changes to "normal-open" from any other condition.
Impedance Range	35 Ω to 330 Ω with auto-compensation within this range. Cables with impedances outside this range will not be properly tested and may produce erratic or incorrect readings.
Temperature Range	Operating: 32°F to 104°F (0°C to 40°C)
Temperature Range	Storage: 32°F to 131°F (0°C to 55°C)
Humidity	Operating: 20% to 80% relative humidity
Humidity	Storage: 0% to 100% relative humidity
Operating Humidity	80% maximum at 86°F (30°C)
Operating Humidity	50% maximum at 104°F (40°C)
Operating Altitude	9,843 ft max (3,000 m max)
Weight	1 lb (454 grams)
Dimensions	7.4 in x 2.7 in x 1.4 in (18.8 cm x 6.9 cm x 3.6 cm)
Safety	IEC 61010-1:2010; N10140
Safety	EMC: IEC/EN61326-1:2006
Certifications and Compliance	Conforms to relevant European Union directives
Certifications and Compliance	Conforms to relevant Australian standards
Certifications and Compliance	IEC/EN61010-1 CAN/CSA-C22.2 No. 1010.1-92 + CSA-C22.2 No. 1010.1B-97, UL/ANSI 3111-1
Weight	1 KG
Weight	1 KG