



Copper Tools & Accessories

Multifunction TDR Cable Tester
Wire Tracker



Product Description

This advanced cable tester uses TDR technology to measure cable lengths up to 500m and pinpoint faults including breaks and shorts — all with universal compatibility across RJ45, RJ11, BNC, and power cables. Built for field professionals, it features PoE detection, switch scanning, Ethernet ping testing, and cable tracing with high/low frequency modes. Port flashing simplifies switch identification, while non-contact AC voltage detection keeps you safe in mixed electrical environments. Rounds off with PC data export for reporting and a rechargeable lithium battery for untethered operation.

Technical Specification

- TDR-based cable length measurement up to 500m
- Fault distance measurement for cable breaks and shorts
- RJ45 / RJ11 / BNC / power cable compatibility
- PoE detection and switch scanning
- Ethernet ping testing
- Cable tracing with high/low frequency modes
- Port flashing for switch identification
- Non-contact AC voltage detection
- PC data export capability
- Rechargeable lithium battery operation

Technical Specifications

Device Type	Network cable tester, TDR cable length meter, cable tracer
Application	Network installation, cable troubleshooting, maintenance, telecom and low-voltage systems
Measurement Technology	Time Domain Reflectometry (TDR)
Display	Colour LCD screen
Power Supply	Rechargeable 3.7V lithium battery
Battery Capacity	1800mAh
Data Storage	TF card support / PC data export

Function	Supported Cables
Cable Tracking	RJ45, RJ11, BNC, metal/power cables
Cable Length Measurement	RJ45 (including CAT7), RJ11, BNC, power cables
Cable Fault Testing	RJ45, RJ11, BNC, power cables
Network Cable Testing	CAT5 / CAT6 / CAT7 Ethernet cables
Coax Testing	BNC coaxial cable

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Measurement Specifications

Parameter	Specification
Maximum Cable Length Measurement	500 m (1640 ft)
Length Measurement Range	5 m – 500 m
Calibration Accuracy	±2% + 0.5 m (±1.5 ft)
Measurement Accuracy	±3% + 0.5 m (±1.5 ft)
Measurement Method	TDR pulse reflection technology
Fault Location	Displays distance to cable fault

Testing Functions

Parameter	Specification
Wire Mapping	Identifies cable wiring errors
Open Circuit Detection	Detects broken conductors
Short Circuit Detection	Detects shorted wires
Split Pair Detection	Identifies incorrect pair wiring
Cable Fault Distance	Locates fault position using TDR
Cable Tracing	Toner function for cable identification
Port Flash	Identifies connected Ethernet switch/router ports
Ping Test	Checks network response and packet timing
PoE Detection	Detects Power over Ethernet presence
PoE Analysis	Identifies power pins and voltage information
AC Voltage Detection	Non-contact voltage detection
Noise Filtering	Anti-current interference capability

Ordering Information

Example Part Number	
Description	Part Number
Multifunction TDR Cable Tester Wire Tracker	MULTI-TDR

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