

Professional Multi-function Network Cable Tester

The **LT-600 series multi-functional cable tester**, it is a practical tool for installation and maintenance of technical personnel in security monitoring, communication wires, integrated wiring and other weak current systems.

Supporting the continuity and sequence of network cables testing, check the crimping of RJ45 connectors, cable tracer .

Additionally, it supports Time Domain Refractometer (TDR) to measure the length and attenuation of network cables. including PING testing, IP address scanning, Port flash, standard and non-standard PoE equipment detection, PoE power online test.

- **The network cable continuity**, crimping of RJ45 connector and network cable length testing are all integrated into one
- **Cable tracer and UTP cable testing** simultaneously, accurately locate the cables to avoid misjudgment.
- **AC12-1000V, 50/60Hz inductive NCV scan function.** sound and light dual alarms, supporting the distinction between live and neutral wires
- **RJ45 cable TDR test**, test network cable's breakpoints and short circuits, attenuation, reflectance, skew, etc.
- Cable length test, the maximum measurement length up to 3000 meters (**only for Cable's open test**)
- **POE detector**, supporting IEEE802.3BT/AT/AF and non-standard protocol detection, power supply mode, power supply line pair detection, etc
- **The FTP function** enables users to copy test report and data via network FTP
- **1000M network port**, it can perform network tests such as Ping, IP address conflict detection, PPPOE dial-up Internet access, route tracking, and LLDP switch port detection
- **Professional TDR cable break-point and short-circuit testing**, the maximum measurement length up to 1200 meters *
- **Intelligent digital multimeter**, auto-ranging voltage/ resistance/ continuity measurement with isolation protection*
- Optical power meter and visual fault locator*

Note: The functions marked with an asterisk (*) represent certain models and are not standard features!



LT-600 series

Model	Network cable Tester 【*】 Optional	
Screen & Display	4 inch IPS touch screen, 800*480 resolution	
Cable Tracing/Wire Mapping/Continuity Test	Transmit Signal	Digital signal (decisively rejects noise and false signals)
	Cable Types	Supports RJ45 twisted pair, RJ11 telephone cable, BNC video cable, and low-voltage metal cables.
	UTP Cable Test	Tests any two or more wires in a network cable. The screen displays the connection sequence, 1000/100M, and cable number. The receiver is identified through indicators.
	Continuity Test	Emitter: Minimum recognition length of 10cm
		Receiver: Minimum recognition length of 1m
Short Circuit Detection	Supports network cable short circuit detection	
Length Measurement	Measure opens of network cables ,max measurement length up to 3000 meters. Accuracy: Cable length x 3% ± 1m	
RJ45 cable TDR test	Test cable's pair status, length, attenuation reflectivity, impedance, skew, and other parameters. Maximum measurable length up to 180 meters	
Port Flashing	Quickly locates ports connected to Ethernet switches and other devices.	
PoE Detector	Supports IEEE802.3BT/AT/AF and non-standard protocol detection. Displays power supply voltage, power supply pins, and pin polarity.	
Network tool	IP discovery, IP address scan, PING test, LLDP/CDP detection, Port flashing, PPPOE dial-up, FTP server, etc.	
Optical Power Meter * (Optional)	Wavelength (nm): 850/980/1270/1300/1310/1490/1550/1577/1625/1650nm. Power range (dBm): -70 to +6 dBm	
Visual fault locator * (Optional)	Emits visible red laser to detect fiber optic line breaks, cracks, bends, and other faults.	
TDR cable test *(Optional)	BNC cable, network cable, telephone cable, RVV cable, and elevator cable, cat 5/6 cable's length and short circuit. measurement range 1.2 km	
Level meter*(Optional)	Measures the peak level, sync level, and burst level of video signals	
Power		
Battery Power	Emitter	3.7V 4000mAh lithium-ion rechargeable battery (working time about 6 hours)
	Receiver	3.7V 2000mAh lithium-ion rechargeable battery (working time about 12 hours)
Working Environment and Specifications		
Operating Temperature	-10°C---+50°C	
Operating Humidity	30%-90%	
Dimensions	Emitter	154mm x 86mm x 40mm / 0.3Kg
	Receiver	218mm x 48mm x 32mm / 0.15Kg

Multi-meter specifications*

DC voltage	Range: 60mV/600mV/6V/60V/600V; Counts: ± 6000 ; Minimum resolution: 0.01mV VAccuracy: 0.01-600 Vaccuracy $\pm(0.6\%+4)$ /600V-1000 Vaccuracy $\pm(0.8\%+10)$
AC voltage	Range: 60mV/600mV/6V/60V/600V; Counts: ± 6000 ; Minimum resolution: 0.01mV; Accuracy: 0.01-600 Vaccuracy $\pm(1.2\%+4)$ /600V-750 Vaccuracy $\pm(1.2\%+10)$
Resistance	Range: 600 Ω /6K Ω /60K Ω /600K Ω /6M Ω /60M Ω ; Counts: 0~6000; Minimum resolution: 0.1 Ω ; Accuracy: 0.1-6 Maccuracy $\pm(0.8\%+10)$ /6M-60 Maccuracy $\pm(2.5\%+4)$
Capacitance	Range: 6nF/60nF/600nF/6uF/60uF/600uF/6mF/60mF; Counts: 0~6000; Minimum resolution: 1pF; Accuracy: 1nF-6000u Faccuracy $\pm(3.5\%+20)$ /6000uF-60000u Faccuracy $\pm(5\%+4)$
Frequency Test	Range: 6Hz/60Hz/600Hz/6KHz/60KHz/600KHz/6MHz; Counts: 0~6000; Minimum resolution: 0.001Hz; Accuracy: 1-6MHzaccuracy $\pm(0.1\%+3)$
Live Wire Detection (LIVE)	Supported
Diode	Range: 3V; Counts: 0~3000; Minimum resolution: 1mV; Accuracy: $\pm 1.2\%+20$
Continuity	Range: 50 Ω ; Counts: 0~500; Minimum resolution: 0.1 Ω ; Accuracy: $\pm 1.2\%+20$

The data above is only for reference and any change of them will not be informed in advance. For more detailed technical inquiries, please feel free to call the Technical Department of our company.

Model comparison

Function / Model (optional)	LT-600	LT-600S	LT-600M	LT-600T
Network Cable sequence, length and short circuit test, network cable quality detection, cable tracer, PoE++ detection, link speed, port flashing, IP exploration, duplicate address scanning, Ping, route tracing, LLDP/CDP, PPPOE	✓	✓	✓	✓
VFL	×	✓	✓	✓
OPM	×	✓	✓	✓
DMM	×	×	✓	✓
TDR	×	×	×	✓
LEVEL METER	×	×	×	✓