

LanScaperPRO™

Cabling and Network Tester



Applications

- Full cable test with display of wire-map, ID, and faults with pair-by-pair status message on shielded or unshielded network or coax cable
- Remote mapping for up to 20 remote identifiers at terminal end of cable with status on all pairs
- Cable length measured for each pair using patented cable capacitance method
- Conduct link tests to identify PoE voltage, advertised speed, duplex mode, wiring mode, and polarity of transmit pair on active Ethernet and other devices connected to unknown jacks
- Supports auto MDI/MDI-X protocol to instantly identify hub, switch, or NIC ports
- Test PoE to ensure adequate power is present for powered devices such as VoIP phones

Key Features

- Detects and reports active Ethernet devices as well as POTS, ISDN, Token Ring, and other devices at the other end of a link for 10BASE-T or 100BASE-Tx
- Identifies IEEE 802.3af PoE and legacy Cisco In-Line Power (ILP) at the other end of the jack or cable being tested, including presence of raw DC power. Verifies wiring installation capability to provide PoE to end device
- Simultaneously pings three addresses at once: target, router, and DNS server. DHCP support allows for ping of router and DNS server with no setup
- Blinks a link indicator to identify hub or switch port and links to Cisco bridge or router ports using Cisco Discovery Protocol (CDP)
- Tests cabling configuration and verifies connectivity while conducting tests for opens, shorts, miswires, split pairs, and reverses
- Displays length measurement for each pair in feet or meters
- Wiremaps network connections with remote identifiers
- Generates selectable tones on selected pins for use with tone tracers

LanScaperPRO™ combines the functions of a high-end cable tester and length measurement device with the capability to identify, monitor, and correct LAN issues associated with physical layer and link conditions in the network.

In network mode testing, the easy-to-use LanScaperPRO enables quick identification at unknown RJ45 jacks for active Ethernet, POTS, Token Ring, or other devices as well as for presence of devices using power over Ethernet (PoE) at the other end of the jack or cable being tested. LanScaperPRO pings network devices to verify connections and IP addresses, automatically accessing DHCP hosts to obtain network information and can quickly identify hubs, NICs, or auto MDI/MDI-X devices. It also conducts link tests to identify speed and capabilities of network drops.

For cable testing, LanScaperPRO provides full cabling testing, displaying wire map, ID, and any faults, including shorts, opens, miswires, split pairs, and reverses. The full-featured LanScaperPRO measures cable length and generates tone levels for signal tracing and cable identification on all pairs, a selected pair, or a selected pin.

Physical Specifications

Size (h x w x d)	1.77 x 3.49 x 7.31 in (4.5 x 8.87 x 18.56 cm)
Weight (with batteries)	14 oz. (397 gm)
Operating temperature	32° F to 122° F (0° C to 50° C)
Storage temperature	-20° F to 176° F (-30° C to 80° C)
Battery life	4 AA alkaline batteries, typical
	Times are for the full capacity of the battery used continuously in one of the following modes:
– Standby	2 years
– Cable testing	70 hours (no backlight) 50 hours (50% backlight)
– Network testing	7 hours (no backlight) 6.5 hours (50% backlight)
Cable types	Shielded or unshielded, CAT6, CAT5E, CAT5, CAT4, CAT3, and Coax
Min cable length for testing split pairs	3 ft (1 meter)
Min cable length for single-ended cable test	4 ft (1.25 m)
Length measurement range (CAT5/6)	0 to 1,500 ft (0 to 457 m)

Warranty

JDSU guarantees that its products will be free of all defects in material and workmanship. This warranty extends for the period of 12 months for test instruments and 3 months for cables from date of manufacture or purchase (proof of purchase required).

All products deemed defective under this warranty will be repaired or replaced at JDSU's discretion. No further warranties either implied or expressed will apply, nor will responsibility for operation of this device be assumed by JDSU.

Ordering Information

NT800	LanScaperPRO™ Cabling and Network Tester Includes one cable test remote, two 1-ft patch cables, two RJ45 to alligator clip cables, and one Cordura case
NT850	LanScaperPRO™ Cabling and Network Tester Kit Includes eight cable test remotes, Tone Tracer (TT100), two 1-ft patch cables, two RJ45 to alligator clip cables, two RJ45 to F-connector adapters, two "no fault" RJ12 cables, and one zippered Cordura case for all items

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