

# LanScaperPRO™

## Cabling and Network Tester



### Key Features

- Identifies and measures power delivered by IEEE 802.3af PoE and legacy Cisco In-Line Power
- Detects and reports speed and capabilities for active Ethernet and other devices up to 1 Gbps
- Simultaneously pings three addresses at once to verify connectivity to network devices
- Blinks a link indicator to identify hub or switch port and links to Cisco bridge or router ports using Cisco Discovery Protocol
- 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
- Generates selectable tones on selected pins for use with tone tracers
- Back-lit alphanumeric LCD with icon flags

### Applications

- Network testing for port discovery, ping test, and hub flash
- Test PoE to ensure adequate power for powered devices such as VoIP phones
- Identify speed up to 1 Gbps, duplex mode, wiring mode, and polarity of transmit pair on active Ethernet devices
- Conduct single ended and remote cable tests with display of PASS, wiremap, ID, and faults for network cable
- Measure cable length
- Tone and trace cables
- Wiremap network connections with remote identifiers

The LanScaperPRO™ Cabling and Network Tester 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, the 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)	4.5 x 8.87 x 18.56 cm (1.77 x 3.49 x 7.31 in)
Weight (with batteries)	397 gm (14 oz)
Operating temperature	0 to 50°C (32 to 122°F)
Storage temperature	-30 to 80°C (-20 to 176°F)
Battery life	Requires four AA alkaline batteries (not included). Times are for full-capacity batteries used continuously in one of the following modes:
- Standby	2 yrs
- Cable testing	70 hrs (no backlight) 50 hrs (50% backlight)
- Network testing	7 hrs (no backlight) 6.5 hrs (50% backlight)
Cable types	Network/Ethernet cable, including CAT6, CAT5E, and CAT5
Min cable length for testing split pairs	1 m (3 ft)
Min cable length for single-ended cable test	1.25 m (4 ft)
Length measurement range (CAT5/6)	0 to 457 m (0 to 1,500 ft)

**Ordering Information**

**LanScaperPRO Cabling and Network Tester with cable test remote** **NT800**  
 - Includes 30.48 cm (1 ft) RJ45 to alligator clips cable (TP40), two 30.48 cm (1 ft) cables with RJ45 connectors (TP55), two 19 cm (7.5 in) RJ12 to RJ12 cables for no-fault connection to RJ11 or RJ45 jacks (TP20), and nylon case. Requires four AA batteries (not included).

**LanScaperPRO Cabling and Network Tester Kit with 8 cable test remotes and probe** **NT850**  
 - Includes 30.48 cm (1 ft) RJ45 to alligator clips cable (TP40), two 30.48 cm (1 ft) cables with RJ45 connectors (TP55), two 19 cm (7.5 in) RJ12 to RJ12 cables for no-fault connection to RJ11 or RJ45 jacks (TP20), Tone Tracer Probe (TT100), and nylon case. Requires four AA batteries (not included).

**Accessories**

30.48 cm (1 ft) RJ45 to alligator clips cable	TP40
30.48 cm (1 ft) cable with RJ45 connectors	TP55
19 cm (7.5 in) RJ12 to RJ12 cable for no-fault connection to RJ11 or RJ45 jacks	TP20
Tone Tracer Probe	TT100
Set of 20 (1-20) RJ45 ID-only remotes	TP312
Set of 20 (1-20) RJ11 ID-only remotes	TP314
Set of 20 (1-20) two-lead ID-only remotes	TP315

**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 the discretion of JDSU. No further warranties either implied or expressed will apply, nor will JDSU assume responsibility for operation of this device.

**Test & Measurement Regional Sales**

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