

# NETWORK/ETHERNET TEST

## NETWORK TESTERS



### FLUKE NETWORKS NETTOOL SERIES II INLINE NETWORK TESTER

The NetProve™ diagnostics isolates and documents network device and application connectivity issues in seconds. Connect inline at 10/100Gig to see actual traffic between network and end devices to solve problems fast. Diagnose IP phone problems and measure VoIP call quality. Troubleshoot PoE and network cabling.

- Verify, isolate, and document network connectivity and application port response problems faster than ever before with automated NetProve diagnostics
- NetTool Series II is the only handheld troubleshooting tool with inline vision into 10, 100 and Gigabit links to see the actual traffic between the network and end devices like PCs, access points and security cameras
- Internal wiremap - WireView Cable ID, cable length, opens, shorts, and split pairs

P/N	Description
NTS2-PRO	NetTool Series II Pro includes 10/100/1000Mbps inline, NetProve diagnostics, IntelliTone toning, NetTool Connect PC software, WireView Wiremapper #1, set of 4 AA alkaline batteries, USB to mini-USB cable, Ethernet cable, Getting Started Guide, CD with Multilanguage User Manuals, and soft carrying case

NTS2-PRO



### FLUKE NETWORKS ETHERSCOPE™ SERIES II NETWORK ASSISTANT

The EtherScope™ Series II is a handheld Ethernet Analyzer combining essential tools to help first responders quickly identify what and where the problem is so they can fix it fast. Troubleshoot 10, 100 and Gigabit links, copper and optical fiber cabling wired and wireless LANs. Measure and characterize link performance at rates up to 1Gbps.

- The right combination of troubleshooting tools in a handheld platform to help network professionals solve a wide range of problems fast
- Analyze 10/100/Gigabit twisted pair and Gigabit fiber optic Ethernet LANs, troubleshoot switched networks, Discover devices, networks and VLANs and monitor traffic statistics
- Characterize the performance of LAN and WAN links. Measure throughput, latency and frame loss per RFC 2544 at rates up to 1 Gbps over copper or optical fiber cabling

P/N	Description
ES2-PRO-SX/I	EtherScope Series II Network Assistant PRO-SX/I includes mainframe with LAN option, 802.11a/b/g adapter with WLAN option, SX SFP with Fiber option, ITO/RFC2544 option, external directional antenna, rechargeable Li-Ion battery pack (installed), protective holster, carrying strap, carrying case, AC adapter/battery charger, wire map remote (ID #1), RJ-45 coupler, patch cable, 128MB CompactFlash® card and resource CD

ES2-PRO-SX/I



NETWORK/ETHERNET

### JDSU LANSCAPER™ NETWORK TESTER

The LanScaper™ is a Jack Identifier, Cable Tester, Length Measurement Device, and Ping Tester in one unit. The easy-to-use LanScaper enables quick identification at unknown RJ45 jacks for active Ethernet, POTS, Token Ring, or other devices. It pings network devices to verify connections and IP addresses, automatically accessing DHCP hosts to obtain network information.

- Detects and reports speed and capabilities for active Ethernet and other devices up to 100 Mb/s
- Pinging function verifies connectivity to network devices

P/N	Description
NT700	LanScaper Cabling and Network Tester with cable test remote. Includes two 30.48 cm (1 ft) RJ45 to alligator clips cables, two 30.48 cm (1 ft) patch cables with RJ45 connectors, two 19 cm (7.5 in) RJ12 to RJ12 cable for no-fault connection to RJ11 or RJ45 jacks, nylon case, and 9-volt battery
NT750	LanScaper Cabling and Network Tester Kit with 8 remote identifiers. Includes Tone Tracer Probe, two 30.48 cm (1 ft) RJ45 to alligator clips cables, two 30.48 cm (1 ft) patch cables with RJ45 connectors, nine 19 cm (7.5 in) RJ12 to RJ12 cables for no-fault connection to RJ11 or RJ45 jacks, two RJ45 to coax F connector adapters, nylon case, and 9-volt battery



NT700

### JDSU LANSCAPERPRO™ NETWORK TESTER

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.

- 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

P/N	Description
NT800	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)
NT850	LanScaperPRO Cabling and Network Tester Kit with 8 cable test remotes and probe. Includes 30.48 cm (1 ft) RJ45 to alligator clips cable, two 30.48 cm (1 ft) cables with RJ45 connectors, two 19 cm (7.5 in) RJ12 to RJ12 cables for no-fault connection to RJ11 or RJ45 jacks, Tone Tracer Probe, and nylon case. Requires four AA batteries (not included)

NT800



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## NETWORK TESTERS

### EXFO FTB-8120NGE/8130NGE - NEXT-GENERATION MULTISERVICE TEST MODULES

The FTB-8120NGE/8130NGE Power Blazer modules offer a wide range of SONET/SDH test functions ranging from simple bit error rate (BER) testing to advanced characterization and troubleshooting procedures.

- DS0/E0 to OC-192/STM-64/OTU2; 10 Mbit/s to 10 Gbit/s LAN/WAN as well as 1x, 2x, 4x and 10x Fibre Channel testing in a small form factor
- Fully integrated solution for assessing the performance of Ethernet transport networks, including RFC 2544, BER testing and multistream generation analysis
- OTN forward error correction (FEC) and optical channel data unit (ODU) multiplex testing capabilities as per ITU-T G.709
- Ethernet-over-SONET/SDH (EoS) testing via GFP, VCAT and LCAS software options
- Complete carrier Ethernet services portfolio: PBB-TE, MPLS and IPv4/6

P/N	Description
FTB-81xx	Next-Generation Multiservice Test Modules

Multiple configurations available. Please check with your TVC representative or [www.tvcinc.com](http://www.tvcinc.com) for details.

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EXPERTISE REACHING OUT



FTB-8130NGE

NETWORK/ETHERNET

## NETWORK WIRE MAPPERS

### JDSU NET-RITE™ CONTINUITY AND WIREMAP TESTER

The Net-Rite™ Cable Tester is an economical, compact Continuity and Wiremap Tester for Ethernet cable. The ergonomic handheld unit is easy to use with no buttons to push to initiate testing. The auto-on feature starts the test when a short or remote is detected. The removable onboard remote enables longer cable runs and enables testing up to 305 meters (1,000 feet).

- Tests Ethernet cable for opens, shorts, split pairs, miswires, and reversals
- Shows cable faults per TIA568 specifications
- Displays test results on full LCD, including PASS and FAIL
- Onboard remote stores in the bottom of the main unit
- Auto-on when short or remote is sensed
- Auto-off when remote is disconnected

P/N	Description
TP250	Net-Rite Cable Tester with onboard cable test remote. Includes four 6-volt button cell batteries
KP260	Net-Rite Cable Tester with Trace-Rite™ Tone Generator. Includes Trace-Rite Tone Generator with Probe, RJ11 to alligator clips cord set, and Net-Rite Cable Tester with onboard cable test remote

**JDSU**



TP250

## CARRIER ETHERNET TESTERS

### JDSU VALIDATOR™ AND VALIDATOR-NT™ ETHERNET SYSTEM SPEED CERTIFIERS

The Validator™ series of Ethernet Network Management Tools - Validator™ and Validator-NT™ - offer a complete solution to test and speed certify the data-carrying capabilities of Ethernet network cables up to 1 Gb/s by testing for noise in the network, detecting faults in the cabling wiring, and ensuring that cables are able to support the speed capabilities of active equipment.

- Conducts Bit Error Rate (BER) testing to speed certify Ethernet data transmission speed up to 1000BASE-T (1 Gb/s)
- Measures Signal-to-Noise Ratio and Skew to uncover impairments to Ethernet data transmission
- Tests for opens, shorts, split pairs, miswires, and reversals and measures distance to opens and shorts - supports all network, telco, and coax cables
- Identifies cable termination on active Ethernet ports with hub flash
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P/N	Description
NT950	Validator Ethernet Speed Certifier Kit
NT955	Validator-NT Ethernet Speed Certifier and Active Network Tester Kit

**JDSU**



NT950

# NETWORK/ETHERNET TEST

## CARRIER ETHERNET TESTERS

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### FLUKE NETWORKS METROSCOPE™ SERVICE PROVIDER ASSISTANT

The MetroScope Service Provider Assistant is the next generation in field test equipment for installing and troubleshooting carrier Ethernet services over copper or fiber. Complete RFC 2544 testing plus jitter and server response measurements support advanced services, while flexible scripting optimizes testing times. The unique Reflector accessory allows end-to-end testing without a second MetroScope.

- Complete RFC 2544 Service Level Agreement (SLA) Testing
- Jitter and Server response time measurements
- Powerful customized scripting for optimized testing

P/N	Description
MTSCOPE	MetroScope Mainframe including 10/100/1000BASE-T and 1000BASE-X SFP Port, AC adapter/battery charger, remote wiremap adapter, 128MB Compact-Flash card, Documentation CD, carrying case
MTSCOPE-KIT	MetroScope Mainframe including 10/100/1000BASE-T and 1000BASE-X SFP Port, rechargeable Li-Ion battery pack, AC adapter/battery charger, Auto lighter charger, remote wiremap adapter, 128MB Compact-Flash card, Documentation CD, carrying case and LinkReflector including 10/100/1000BASE-T port



MTSCOPE

### EXFO AXS-200/850 ETHERNET TEST SET

Delivers comprehensive, yet straightforward test functionalities for installing, turning up or maintaining Ethernet and IP services.

- User-definable RFC 2544 test routines
- Bit-error-rate testing (BERT) up to layer 4

P/N	Description
AXS-850	Ethernet Test Set

Multiple configurations available. Please check with your TVC representative or [www.tvcinc.com](http://www.tvcinc.com) for details.



AXS-850

### EXFO FTB-8510B PACKET BLAZER ETHERNET TEST MODULE

Delivers performance assurance for Ethernet-based services and tests connectivity in its native format. Ideal for verifying service-level agreements (SLAs).

- Throughput, back-to-back, latency and frame loss measurements as per RFC 2544 (bidirectional)
- Complete carrier Ethernet services portfolio: PBB-TE (MAC-in-MAC), MPLS, 802.3ah and IPv4/6
- 1x and 2x Fibre Channel testing

P/N	Description
FTB-8510B	Ethernet Test Module

Multiple configurations available. Please check with your TVC representative or [www.tvcinc.com](http://www.tvcinc.com) for details.



FTB-8510B

### EXFO FTB-8510G PACKET BLAZER -10 GIGABIT ETHERNET TEST MODULE

The FTB-8510G offers performance assurance for Ethernet-based frame services, supporting 10 Gigabit Ethernet WAN and LAN rates for total network testing. Provides all the T&M functionalities required to verify service-level agreement (SLA) conformity.

- LAN and WAN PHY capability in a single module
- Packet jitter measurement to qualify Ethernet transport networks for transmission of delay-sensitive traffic such as video and voice-over-IP (VoIP)
- Throughput, back-to-back, latency and frame loss measurements as per RFC 2544 (bidirectional)
- EtherBERT™ test functionality for assessing the integrity of 10 Gigabit Ethernet running on WDM networks

P/N	Description
FTB-8510G	10 Gigabit Ethernet Test Module

Multiple configurations available. Please check with your TVC representative or [www.tvcinc.com](http://www.tvcinc.com) for details.



FTB-8510G

NETWORK/ETHERNET

# NETWORK/ETHERNET TEST

## GIGABIT ETHERNET LINK TESTERS

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### FLUKE NETWORKS LINKRUNNER™ PRO NETWORK MULTIMETER

The Network Link Tester empowers technicians to resolve a broader range of today's connectivity problems. It verifies link at 10/100/Gig, pings up to 10 key devices, detects Power over Ethernet (PoE), resolves 802.1X security conflicts, identifies nearest switch with CDP/EDP/LLDP discovery protocols, and generates professional link status test reports to expedite trouble ticket resolution.

- Link at 10/100/Gig – identify device capabilities and confirm actual speed/duplex status
- Ping key devices – measure response of DHCP, router, DNS, and other devices or URLs
- Verify 802.1X settings – authenticate with EAP type, user name, certificates, and password

P/N	Description
LRPRO-KIT	LinkRunner Pro Extended Test Kit
LRPRO-1000	LinkRunner Pro Network Multimeter



## BERT TESTERS

### FLUKE NETWORKS 635 QUICKBERT-T1

Compact, handheld T1 Test Set for construction, installation and troubleshooting applications. Perfect for cell backhaul applications.

- Instantaneous detection and display of framing, line coding, errors, alarms, level, frequency and more
- Transmits and receives common Bit Error Rate Test (BERT) patterns and includes all common loop codes
- Compact, rugged and easy to use

P/N	Description
635	QuickBERT-T1, carrying case, ToolPak™, and necessary cables and adapters



NETWORK/ETHERNET

## WI-NET WIRELESS TESTERS

JDSU

### JDSU WI-NET WINDOW WIRELESS TESTER

The Wi-Net Window™ captures and displays essential information regarding identity, functionality, and capability of IEEE 802.11 b and g wireless devices. This Wireless Network Analyzer detects and connects to wireless equipment, reports signal strength, pings Internet Protocol (IP) addresses, and identifies network components.

- Displays signal strength on LED and as a percentage on the LCD
- Actively scans and logs IEEE 802.11 wireless signal types b and g
- Detects networks with hidden SSIDs

P/N	Description
WP150	Wi-Net Window Wireless Network Analyzer. Requires 4 AA batteries (not included)



## PINOUT TESTERS

Paladin Tools 1577

### PALADIN TOOLS PC CABLE-CHECK™ PRO

This Universal Tester maps cables, detects good connections, opens, shorts or crosses. It works with over 20 types of cables including: LAN & telephone, Serial, coaxial, USB, VGA, Mini-USB, S-video, FireWire, PS/2 keyboard & parallel printer.

- Instantaneous detection and display of framing, line coding, errors, alarms, level, frequency and more
- Transmits and receives common Bit Error Rate Test (BERT) patterns and includes all common loop codes
- Compact, rugged and easy to use

P/N	Description
1577	PC Cable-Check™ Pro



## CAT 5, 5E AND 6 TESTERS

TRIPLETT

### TRIPLETT PAIRMASTER - LAN CABLE TEST SETS

- New Flush Power Button reduces accidental turn-ons
- Tests Cat 5, 5e & Cat 6 Cables
- Identifies 1 of 16 Cables (with optional Remote Identifiers)
- Tests 1/2, 3/6, 4/5, 7/8 Cable Pairs
- 2 - 7 segment LEDs display Fault Codes and Remote ID numbers

P/N	Description
3240	PairMaster

