FLUKE networks











Fluke Networks Solutions Catalog

Products for the installation, testing, monitoring and analysis of enterprise and telecommunication networks

Online Resources

Fluke Networks is committed to helping you get the most value out of our products and find the solutions you need. We encourage you to visit **www.flukenetworks.com** where you will find additional in-depth and up-to-date information for our complete product offering – some of which isn't represented in this catalog.

Also look to FlukeNetworks.com for value–added content pages that resonate with your job function, technology interest, and content needs.





Community

Connect with other networking professionals through our online community.

- Forums
- Blogs
- Ratings & Reviews
- Follow us on Twitter, FaceBook, LinkedIn

From the Experts Blogs

Hear first-hand what our networking experts have to say about common challenges, trends and happenings in an ever-changing industry.



- **Wired to Wireless**

  Adventures in moving from Cat 5 to 5GHz

  Follow a resident network expert as he shares his thoughts on the world of Wi-Fi.

- **The Decoder**

  Solving the mysteries of monitoring, analysis and troubleshooting

  This blog "decodes" what our team of experts learns on the road from meeting with customers – best practices, how-to's, cool tools, ins and outs of deploying new technologies and how to tell management what's going in terms they can understand.

- **Packets in Paradise**

  Tips and tricks in protocol analysis

  Learn from an industry packet analysis expert as he writes about tips and tricks, protocol analysis, using Fluke Networks tools and case studies.



Products & Technology Forums

Have a question? Need more information? Want to see how other Fluke Networks customers are using their solutions? Want to give us feedback about products, solutions or the website? Participate in our growing online community where our forums are driven by users, for users.

Learn more about:

- Technology topics
- Product performance
- Customer best practices

Have a question or a problem that you don't see listed in the forums? Start your own discussion. Please visit **www.flukenetworks.com/forums**

Table of Contents

Online Resources 2
Fluke Networks Trusted Partner 4

Datacom Cabling

Copper Cable Test Solutions

Copper Cable Test Solutions Product Comparison . . 7
DTX CableAnalyzer™ Series 8
DTX Accessories and Gold Support 9
DTX 10 Gig over Copper Test Solutions 10
DTX CableAnalyzer Fiber Options 10
CableIQ™ Qualification Tester 11
CableIQ Kits 12
MicroScanner² Cable Verifier 12
LinkWare™ Cable Test Management Software 13
Linkware™ Stats 13
IntelliTone™ Pro Toner and Probe 14
Pro3000 Analog Toner and Probe 14
TS®90 Cable Fault Finder 15
TS®100 Cable Fault Finder 15

Fiber Testing, Troubleshooting and Certification

Fiber Testing, Troubleshooting and Certification Comparison 17

Fiber Inspection and Cleaning

FiberInspector™ Pro Video Microscope 18
FiberInspector™ Mini Video Microscope 18
FiberViewer™ Fiber Microscope 18
VisiFault™ Visual Fault Locator 18
Fiber Optic Cleaning Kits 19
Inspection Adapters 19

Loss/Length (Tier 1) Fiber Certification

DTX Fiber Modules 20
DTX-CLT CertiFiber® Optical Loss Set 20
SimpliFiber™ Pro Optical Power Meter 21
Fiber Test Kits 22
Test-Reference Cords, Adapters and Mandrels 23

Fiber Plant Charecterization & Troubleshooting (Tier 2 Certification)

OptiFiber® OTDR 24
OptiFiber Modules/Accessories 25
Launch Fibers 25
DTX Compact OTDR 26
Fiber Testing Best Practices 27

Tools and Test Kits

JackRapid™ Termination Tool 29
Impact Tools 30
Blades 31
Pro-Tool Kits 32
Electrical Contractor Telecom Kits 33
Modular Crimpers 34
Cable Splicing Knife 34
D-Snips™ 34
Electrician's Snips 34
Cable Strippers 35
Need-L-Lock™ Crimping Pliers 35
Probe Pic 35
Can Wrench 35
Basic Tools Article 36

IT Networking

Test and Troubleshoot

AirCheck™ Wi-Fi Tester 39
EtherScope™ Series II Network Assistant 40
NetTool™ Series II Inline Network Tester 41
LinkRunner™ Pro and Duo Network Multimeters . . 42

Monitoring, Analysis and Troubleshooting

OptiView® Management Appliance with Reporter . 44
OptiView® Portable Network Analyzer 45
ClearSight™ Analyzer 46
Network Time Machine™ 47
Tap Solutions 48
AirMagnet Survey 49
AirMagnet Planner 49
AirMagnet WiFi Analyzer 49
AirMagnet Spectrum XT 50
AirMagnet VoFi Analyzer 50
AirMagnet Enterprise 50

Telecommunications Providers

Telephone Butt-In Test Sets

Telephone Test Set Comparison 53
TS®52 PRO LCD Test Set 54
TS®40 Series Test Sets 55
TS®30 Test Set 55
TS®22 Series Test Sets 56
TS®25D Test Set 56
TS®19 Test Set 57
Modular Adapters 57
Line Cords and Clips 58

Access Network Test Equipment

Fiber OneShot™ Optical Test Set 60
MetroScope™ Service Provider Assistant 61
LinkRunner Duo CE Pocket Carrier Ethernet Test Set 62
CopperPro™ Series II Broadband Loop Tester 63
990DSL CopperPro™ Loop Tester 64
CopperPro Terminator™ Far End Terminating Device 64
635 QuickBERT-T1 Test Set 65
Voltage Detector 65

Corporate

Communication Service Providers 67
Fluke Networks Gold Support 68
Professional Services and Training 69
Latest News from Fluke Networks 70
Contact 71

Welcome to the Fluke Networks product catalog, the definitive resource for information on Fluke Networks industry-leading solutions for installing, testing, monitoring and analyzing enterprise and telecommunications networks.

You know that the right tool makes the job go faster and easier. Each of our tools, from simple cable strippers and knives to cable analyzers to enterprise-level analysis tools, meet and exceed industry standards, giving you confidence that you and your team of professionals will achieve your goals the first time and every time. Please review our catalog for opportunities to enhance your solution set and get ready to realize the benefits of the latest advances from Fluke Networks.

Fluke Networks is your trusted partner, striving to give you an unparalleled view into your ongoing challenges of building and maintaining mission-critical network and telecommunication services. We offer easy-to-use tools that save you precious time and money while improving the productivity of your organization.

Fluke Networks is your trusted partner

Fluke Networks partners with you to help your organization solve today's problems and anticipate tomorrow's challenges. Our award winning solutions – portable network testers and analyzers, enterprise performance management hardware and software, datacom installation tools or telecommunications instruments and systems – give you a unique look into your enterprise or telecommunication network. It's the instant visibility you need to solve everyday network problems, and it offers the foresight required to improve network performance in the future.

Fluke Networks Gold Support Programs

Fluke Networks Gold membership programs ensure a high return on your investment by keeping your Fluke Networks products up-to-date and in top condition. The programs are paid annual service contracts that offer 24/7 technical support, knowledge-base access, members-only discounts, access to online training and up-to-the-minute information on your product – everything you need to reduce your total cost of ownership. Turn to page 68 for a complete overview of Gold Support.

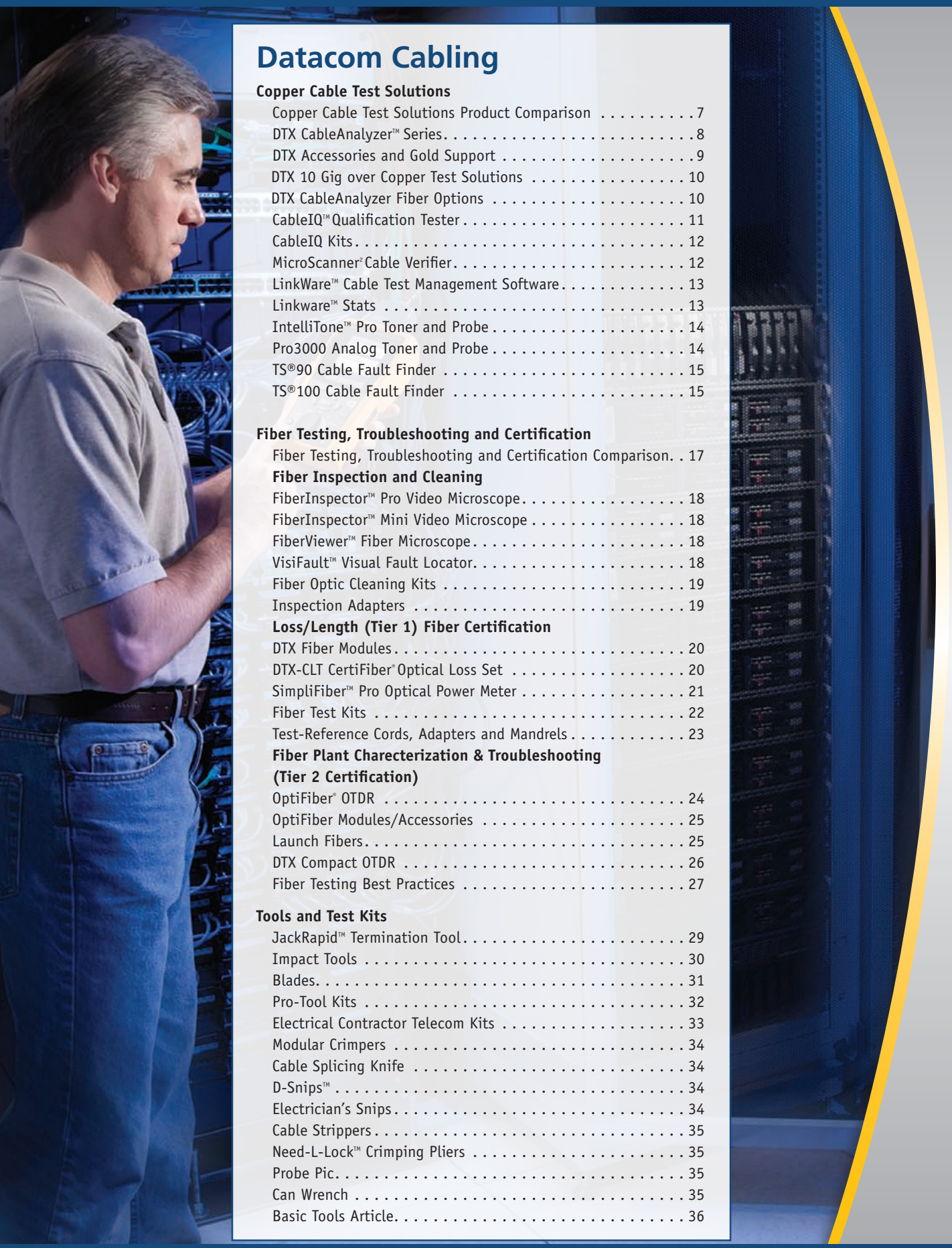
Technical Assistance

Have a question? Need help troubleshooting a technical issue? Looking for knowledgeable advice on which Fluke Networks solutions best fit your network analysis needs? The certified support technicians at our Technical Assistance Center are available to help you, call 1-800-283-5853.









Datacom Cabling

Copper Cable Test Solutions

Copper Cable Test Solutions Product Comparison 7
DTX CableAnalyzer™ Series 8
DTX Accessories and Gold Support 9
DTX 10 Gig over Copper Test Solutions 10
DTX CableAnalyzer Fiber Options 10
CableIQ™ Qualification Tester 11
CableIQ Kits 12
MicroScanner² Cable Verifier 12
LinkWare™ Cable Test Management Software 13
Linkware™ Stats 13
IntelliTone™ Pro Toner and Probe 14
Pro3000 Analog Toner and Probe 14
TS®90 Cable Fault Finder 15
TS®100 Cable Fault Finder 15

Fiber Testing, Troubleshooting and Certification

Fiber Testing, Troubleshooting and Certification Comparison . . 17

Fiber Inspection and Cleaning

FiberInspector™ Pro Video Microscope 18
FiberInspector™ Mini Video Microscope 18
FiberViewer™ Fiber Microscope 18
VisiFault™ Visual Fault Locator 18
Fiber Optic Cleaning Kits 19
Inspection Adapters 19

Loss/Length (Tier 1) Fiber Certification

DTX Fiber Modules 20
DTX-CLT CertiFiber® Optical Loss Set 20
SimpliFiber™ Pro Optical Power Meter 21
Fiber Test Kits 22
Test-Reference Cords, Adapters and Mandrels 23

Fiber Plant Charecterization & Troubleshooting (Tier 2 Certification)

OptiFiber® OTDR 24
OptiFiber Modules/Accessories 25
Launch Fibers 25
DTX Compact OTDR 26
Fiber Testing Best Practices 27

Tools and Test Kits

JackRapid™ Termination Tool 29
Impact Tools 30
Blades 31
Pro-Tool Kits 32
Electrical Contractor Telecom Kits 33
Modular Crimpers 34
Cable Splicing Knife 34
D-Snips™ 34
Electrician's Snips 34
Cable Strippers 35
Need-L-Lock™ Crimping Pliers 35
Probe Pic 35
Can Wrench 35
Basic Tools Article 36

Copper Cable Test Solutions

Complete solutions for the installation, testing, documentation and certification of copper premises cabling



Fluke Networks copper verification, qualification and certification products are essential tools for installers, contractors and network technicians in today's environment. As networks grow and change, the performance of cabling is critical to delivering services to users. New testing standards also emerge and with them come guidelines that cabling professionals must follow when installing, testing, troubleshooting, and certifying copper. Whether it is coax, 10BASE-T, 100BASE-TX, 1000BASE-T or 10GBASE-T, you need to be aware of the requirements and avoid the potential pitfalls in the copper infrastructure.

Fluke Networks copper testing products reduce network downtime caused by flaws in the cabling or installation process. They also resolve problems in operating networks and make upgrades simpler. Intuitive user interfaces are easy to learn and understand. With precise and repeatable accuracy that have become gold standard in network testing, network professionals save time and money using Fluke Networks copper testing products.

Copper Cable Test Solutions Product Comparison





	DTX CableAnalyzer™ Series	CableIQ™ Qualification Tester	MicroScanner² Cable Verifier
Supports structured cabling warranties	✓		
Meets TIA/ISO certification standards requirements	Levels IIe, III, IIIe and Level IV		
Provides pass/fail results	9-second Cat 6		
Documents test results	✓	✓	
Qualifies cabling speed (10/100/VoIP/Gig)		✓	
Advanced troubleshooting: NEXT, AxTalk, ELFEXT, RL	✓		
Troubleshoots distance to connection fault	✓	✓	
Basic troubleshooting: distance to break or short	✓	✓	✓
Continuity and wiremap	✓	✓	✓









DTX CableAnalyzer™ Series

Fluke Networks DTX CableAnalyzer Series combines speed and unprecedented accuracy no other certification tester can match. This revolutionary platform significantly reduces total time to certify: saving time you can see on your bottom line – as much as 33% of certification costs per year. Certify a Cat 6 link three times faster than other testers with 9-second Cat 6 autotest and level IV accuracy. DTX also gives you 900 MHz of testing bandwidth, optional on-board fiber modules, easy-to-understand diagnostics, 12-hour battery life, a bright color display, and nearly instant setup and reporting. AC Wiremap verifies cabling through Midspan PoE controllers. DTX: It's all about time!

- More than 1.2 billion copper links have been certified by the DTX CableAnalyzer
- Exceeds the field tester retirements for Level IIe (Cat 5e), Level III (Cat 6), Level IIIe (Cat 6a) and Level IV (Cat 7 and Cat 7a)
- Three times faster with 9-second Cat 6 autotest
- Advanced time-saving diagnostics pinpoint fault and suggest corrective actions
- 900 MHz future-proofs your investment for future applications such as 10 Gigabit Ethernet, Class F_A and CATV
- Resident fiber modules let you switch between copper and fiber with the push of a button
- Fast, reliable, and rugged with extended 12-hour battery life and color display all enhance user productivity
- DTX significantly reduces total certification costs by as much as 33% a year

Model	Description
DTX-1800	Ultimate performance in a future-proof investment – test capabilities to 900 MHz, and industry leading Autotest execution times – 9-seconds for a Cat 6 link
DTX-1200	Revolutionized performance and value for Cat 6/5e certification – test capabilities up to 350 MHz, and industry-leading Cat 6 Autotest in 9 seconds
DTX-LT	Excellent performance in an entry-level model – test capabilities up to 350 MHz, and impressive Cat 6 Autotest in 30 seconds*
DTX-1800-MSO	DTX 1800 Copper/Fiber/OTDR Kit includes DTX-1800 CableAnalyzer, sets of Multimode DTX MFM2 and Singlemode DTX SFM2 Fiber (loss/length) Modules, DTX Compact OTDR Module, launch fibers, accessories and carrying case(s)
DTX-1800-MO	DTX-1800 with Multimode Fiber Modules and OTDR includes DTX-1800 CableAnalyzer, set of Multimode DTX MFM2 Fiber Modules and a DTX Compact OTDR Module
DTX-1800-MS	DTX-1800 with Multimode and Singlemode Fiber Module includes DTX-1800 CableAnalyzer and set of DTX-MFM2 Multimode Fiber Modules and DTX-SFM2 Singlemode Fiber Modules
DTX-1800-M	DTX-1800 with Multimode Fiber Modules – includes DTX-1800 CableAnalyzer and a set of DTX-MFM2 Multimode Fiber Modules
DTX-AXKIT	Alien Crosstalk Communication Modules (set of two) and AxTalk Analyzer™ Software
DTX-OTDR-QMOD	DTX Compact OTDR Module – includes 850/1300/1310/1550 OTDR Module and carrying case
DTX-MFM2	DTX Multimode Fiber Modules – includes two modules (one for main and one for Smart Remote), 850 nm and 1300 nm LED sources combined into single output port, 850/1300/1310/1550 nm power meter, and integrated VFL
DTX-SFM2	DTX Singlemode Fiber Modules – includes a set of two modules for main and Smart Remote, 1310 nm and 1550 nm laser sources combined into single output port, 850/1300/1310/1550 nm power meter and integrated VFL
DTX-NSM	DTX Network Service Module – includes one module to verify connectivity, network service and PoE
DTX-1800SR	DTX-1800 Smart Remote add-on
DTX-1200SR	DTX-1200 Smart Remote add-on
DTX-LT/SR	DTX-LT Smart Remote add-on*

See page 20 for the DTX CableAnalyzer fiber options.

* Not available in all geographies; contact your local Fluke Networks office for information.

DTX CableAnalyzer Accessories

Model	Description
DTX-COAX	DTX Coax Cable Test Adapter (2 adapters included)
DTX-PCU6S	DTX Series UTP Cat 6 Patch Cord Adapter Set – includes DTX Main adapter (DTX-PCU6/MN) and DTX Smart Remote adapter (DTX-PCU6/SR)
DTX-PLA001S	Permanent Link Adapters (2) with PM06 Personality Modules. Also interfaces with a number of personality modules (DSP-PMxx) to test links with IDC termination
DTX-PLA001	Permanent Link Adapter for use with the DTX Series CableAnalyzer
DTX-PLA002	Permanent Link Adapter for Cat 6A and Alien Cross Talk testing
DTX-CHA002S	Set of two (2) Cat 6A/Class Ea Channel Adapters optimized for Alien Crosstalk measurements
DTX-PLCAL	Permanent Link Adapter Field Calibration module
DTX-PLA002PRP	Plug replacement parts for the DTX-PLA002
DTX-TERA	TERA Adapter Kit – includes TERA Channel Adapters (2) and TERA Permanent Link Adapters (2) to test Siemon TERA class F systems
DTX-PLA011	TERA Permanent Link Adapter for Siemon TERA Class F Systems
DTX-CHA011	TERA Channel Adapter for Siemon TERA Class F Systems
DTX-CHA002	Cat 6A/Class Ea Channel Adapter optimized for Alien Crosstalk measurements.
DTX-ACUN	AC charger, universal
DTX-ACNA	AC charger, North America
DTX-CASE	Standard carrying case – DTX Series
DTX-STRP	DTX carrying strap
DTX-USB	USB interface cable (mini-B)
DTX-SER	Serial RS-232 cable (DB-9 to IEEE 1394)
DTX-LION	Lithium-ion battery pack





DTX CableAnalyzer Gold Support

Model	Description
GLD-DTX	1-year of Gold Support – any DTX mainframe
GLD-DTX-2YR	2-years of Gold Support – any DTX mainframe
GLD-DTX-3YEAR	3-years of Gold Support – any DTX mainframe
GLD-DTX-MS	1-year of Gold Support – any DTX mainframe and Smart Remote, multimode and singlemode Fiber Module sets.
GLD-DTX-MO	1-year of Gold Support – any DTX mainframe and Smart Remote, multimode fiber set and OTDR modules.
GLD-DTX_MS-2YR	2-years of Gold Support – any DTX mainframe and Smart Remote, multimode fiber set and OTDR modules.
GLD-DTX-MO-2YR	2-years of Gold Support – any DTX mainframe and Smart Remote, singlemode fiber module sets and OTDR module.
GLD-DTX-MSO	1-year of Gold Support – any DTX mainframe and Smart Remote, multimode and singlemode fiber module sets and OTDR module.
GLD-DTX-MSO-2YR	2-years of Gold Support – any DTX mainframe and Smart Remote, multimode and singlemode fiber module sets and OTDR module.



DTX 10 Gig over Copper Test Solution

The DTX-1800 is the only cable tester that is capable of standards-compliant field testing to guarantee that a cabling plant will support 10GBASE-T.

- Certifies the fastest growing enterprise cabling for new installations - Category 6A.
- Quickly and easily measures Alien Crosstalk (ANEXT and AFEXT) in full compliance with industry standards
- Enables deep analysis and troubleshooting of AxTalk performance problems

Model	Description
DTX-10GKIT	DTX-1800 Alien Crosstalk Analyzer Kit includes the DTX-AXTLK1 communication modules and the Windows-based AxTalk Analyzer™ Software, DTX-PLA002S, DTXCHA001AS and DTX-AXTERM terminator, quantity two
DTX-AXKIT	Alien Crosstalk Communication Modules (set of two) and AxTalk Analyzer™ Software
DTX-PLA002S	Cat 6A/Class EA Permanent Link Adapter – set of two
DTX-CHA001AS	Cat 6/Class E Channel Adapters (AXTalk) – set of two
DTX-AXTERM	Alien Crosstalk Link Terminators
GLD-DTX-10GKIT	1-year Gold Support – 10 Gigabit Alien Crosstalk kit
GLD-DTX-10GKIT-3YEAR	3-years Gold Support – 10 Gigabit Alien Crosstalk kit





DTX CableAnalyzer Fiber Options

The DTX CableAnalyzer is a test platform that can function as an Optical Loss Test Set (OLTS) and/or an Optical Time Domain Reflectometer (OTDR).

Loss/length (Tier 1) fiber certification can be performed by adding the DTX Fiber Modules. This certification test compares absolute and length measurements to industry standards for the application that will run over the cabling.

OTDR testing provides a graphical signature (trace) of the fiber's attenuation along its length and can be completed with the DTX Compact OTDR Module. OTDR testing can complement loss/length testing with an extended or Tier 2 certification. Extended fiber certification characterizes individual connectors and splices and ensures the workmanship and quality of the installation meet design and warranty specifications. For more information about fiber options, see page 20.

Model	Description
DTX-OTDR-QMOD	DTX Compact OTDR Module – includes 850/1300/1310/1550 OTDR Module and carrying case
DTX-MFM2	DTX Multimode Fiber Modules – includes two modules (one for main and one for Smart Remote), 850 nm and 1300 nm LED sources combined into single output port, 850/1300/1310/1550 nm power meter, and integrated VFL
DTX-SFM2	DTX Singlemode Fiber Modules – includes a set of two modules for main and Smart Remote, 1310 nm and 1550 nm laser sources combined into single output port, 850/1300/1310/1550 nm power meter and integrated VFL
GLD-DTX-FIBERMOD	1-year of Gold Support – DTX Fiber Module
GLD-DTXFMOD-3YEAR	3-years of Gold Support – DTX Fiber Module





CableIQ™ Qualification Tester

CableIQ is the first qualification tool designed for network technicians who need to troubleshoot connectivity problems and qualify cabling bandwidth. It gives network techs the vision to see whether an existing cabling link is qualified to support 10/100, VoIP or Gigabit Ethernet, quickly isolate cabling from network problems and discover what is at the far end of any cable. It detects speed and duplex settings of attached switches and PCs. Intelligent wiremap graphically shows distance to faults (e.g., pin 1 break at 37 ft). Lightweight, rugged, reliable unit tests all copper cabling. Its ease and power can help you close trouble tickets faster and ensure smooth upgrades to higher network speeds.

- Sees if your existing cabling can support voice, VoIP, 10/100/Gigabit Ethernet
- Troubleshoots why existing cabling plant can't support the desired network bandwidth
- Discovers what's at the end of any cable and displays device configuration (speed/duplex/pairing)
- Frees-up switch ports and identifies unused links
- Graphically maps wiring configuration and shows distance to faults with Intelligent Wiremap
- Locates and traces cable with IntelliTone™ digital signaling technology

Model	Description
CIQ-100	CableIQ Qualification Tester – includes CableIQ with remote adapter, soft carrying case and four AA batteries
CIQ-CIT	CableIQ IT hard carrying case
CIQ-COAX	CableIQ Coax Adapter Kit – includes F-connector, BNC and RCA connectors
CIQ-IDK24	CableIQ Remote Identifier Kit – includes remote identifier numbers 2-4
CIQ-IDK57	CableIQ Remote Identifier Kit – includes remote identifier numbers 5-7
CIQ-RJA	RJ-45/11 modular adapter
CIQ-SPKR	CableIQ speaker wire adapter
CIQ-WM	CableIQ main wiremap adapter (replacement part for lost or damaged unit)
CLIP-SET	Clip Set – includes RJ-45-to-8-clip test lead
MT-8200-53A	IntelliTone Pro 100 Probe – includes IntelliTone 100 Probe, lanyard, owners CD and quick start guide, and 9-volt battery
MT-8200-63A	IntelliTone Pro 200 Probe – includes IntelliTone 200 Probe, RJ-11 and RJ-45 patch cables, lanyard, owners CD and quick start guide, and 9-volt battery
GLD-CIQ	1-year of Gold Support – CableIQ Qualification Tester



CableIQ Advanced IT Kit



CableIQ Gigabit Service Kit

CableIQ Kits

CableIQ Service Kit combines powerful cable and network testing in one package. Expedites problem resolution and facilitates moves, adds, changes, and upgrades. Quickly qualifies cabling bandwidth and confirms network connectivity.

CableIQ Gigabit Service Kit combines powerful Gigabit cable and network testing in one package. Expedites problem resolution and facilitates moves, adds, changes, and upgrades. Documents cabling bandwidth and network link speed.

Model	Description
CIQ-KIT	CableIQ Advanced IT Kit – includes CableIQ with remote adapter, IntelliTone Pro 200 Probe, six remote office IDs, rugged carrying case and four AA batteries
CIQ-SVC	CableIQ Service Kit – includes CableIQ Qualification Tester with remote adapter, LinkRunner Network Multimeter, IntelliTone Pro 200 Probe, six remote cable IDs and a rugged carrying case
CIQ-GSV	CableIQ Gigabit Service Kit – includes CableIQ Qualification Tester with remote adapter, LinkRunner Pro Network Multimeter, IntelliTone Pro 200 Probe, six remote cable IDs and a rugged carrying case
CIQ-KRQ	CableIQ Residential Qualifier Kit – includes CableIQ Qualification Tester, RJ-45 patch cord (2), RJ-11 patch cord (2), bare wire adapter, speaker wire adapter, coax cable, coax BNC adapter, coax RCA adapter, "Qualified" labels (50) and a soft carrying case
CIQ-VOIP	CableIQ VoIP Enterprise Service Kit – includes CableIQ with remote adapter, CableIQ Reporter software CD, IntelliTone Pro 200 Probe, CableIQ Remote IDs #2-7, NetTool Series II Pro VoIP tester with 10/100/1000Mbps inline, VoIP option, NetProve diagnostics, NetTool Connect PC software, WireView Wiremapper #1, (2) RJ-45 – RJ-45 patch cord, (2) USB cables, coax "F" push-on adapter, 75-ohm coax patch cord, RJ-45/11 universal coupler, RJ-11 – RJ-11 patch cord, Ethernet cable, hard carry case for CableIQ, and soft carrying case for NetTool Series II Pro VoIP
GLD-CIQ	1-year of Gold Support – CableIQ Qualification Tester



MicroScanner² Cable Verifier

Next generation MicroScanner streamlines voice/data/video cable and service testing. Revolutionary user interface makes testing fast, easy, and crystal clear. Everything cable technicians need to know, including available services (10/100/1000 Ethernet, POTS, PoE voltage), cable length, wiremap, cable ID, and distance to fault all are displayed on one oversized backlit screen. Replace multiple tools by testing all RJ-11, RJ-45, and coax (F) media with no adapters. Built-in IntelliTone digital and analog toning precisely locates virtually any cable or wire pair – even on active networks. Ergonomic design features sleek rubber over mold to enhance grip and ruggedness. Includes carry case.

- Displays cable length, wiremap, cable ID, and distance to fault on one screen
- Detects today's media services, including 10/100/1000 Ethernet, POTS, and PoE
- Locates virtually any cable or wire pair with IntelliTone digital and analog toning



Model	Description
MS2-100	MicroScanner² Cable Verifier
MS2-KIT	MicroScanner² Professional Kit – includes MicroScanner² Cable Verifier, Remote ID #s 2-7, IntelliTone Pro 200 Probe, bare wire adapter, coax cable, two shielded RJ-45 cables, two RJ-11 cables and a deluxe carry case
MS2-TTK	MicroScanner² Termination Test Kit – includes MicroScanner² Cable Verifier, IS60 Pro Tool Kit, IntelliTone Pro 200 Probe, RJ-11 and RJ-45 patch cables, lanyard, owners CD and quick start guide, 9 volt battery and a deluxe carry case
MS2-IDK27	MicroScanner² Remote ID Kit #s 2-7
CLIP-SET	Clip Set - includes RJ-45 to 8-clip test lead
MT-8200-63A	IntelliTone Pro 200 Probe



LinkWare™ Cable Test Management Software

LinkWare gives you the ability to manage test results data from multiple testers with one PC software application. It makes project setup simpler by helping you quickly organize, edit, view, print, save or archive test results by job site, customer, campus or building. You can merge test results into an existing LinkWare database and then sort, search and organize the results by data fields or parameters. And you can count on your data integrity to be secure. LinkWare ensures the data results you upload and store on your computer came from the testers' memory.

- Deliver professional reports in a common format
- Electronically save, maintain and archive test results
- Standards compliant with the ability to configure and print TIA 606-A documentation
- New drag and drop feature makes it easier to manage and organize multiple projects
- Simple user interface and time-saving features for increased productivity
- Included with DTX CableAnalyzer Series, OptiFiber OTDR, DTX-CLT CertiFiber and SimpliFiber™ Pro Optical Power Meter and Fiber Test Kits
- LinkWare™ Stats option gives a comprehensive view of your entire cable plant's performance

Model	Description
LinkWare	LinkWare Cable Test Management Software – free download at **www.flukenetworks.com/linkware**



LinkWare™ Stats

LinkWare Stats is the first software to provide a quick, complete view of your entire cabling plant's performance. It generates statistics on the cabling links within your LinkWare database, transforming performance results into summary graphics that highlight the analytical information you need – fast. Now it's easy to verify margins and spot anomalies. Filter incoming data to highlight exactly what you're looking for. View graphs and tables showing margins by test standard, operator, location and other attributes. Demonstrate that an installation meets warranty requirements and win business with customized summary reports.

- Provides a complete, graphical view of cabling plant performance in ways you haven't seen before
- Transforms test data from your LinkWare database into statistics and graphics that highlight the analytical information you need – at a glance
- Filters incoming data and highlights (in color) marginal or failed links to eliminate the chance that an anomaly gets overlooked
- Quickly demonstrates that your installation meets warranty requirements
- Creates professional and easily-customized performance summary reports

Model	Description
LinkWare-Stats	LinkWare Stats Statistical Report Option



IntelliTone™ Pro Toner and Probe

Breakthrough digital and analog toning finds cables other toners/probes can't. Advanced sensing modes accurately find the correct cable bundle, and then rapidly isolate the exact cable from within that bundle. Digital signal rejects noise and safely tones active networks. SmartTone™ feature precisely locates individual wire pairs by changing tone when pair is shorted. Verifies end-to-end cable continuity and basic miswires. Identifies and troubleshoots services with datacom link, two line telecom, continuity and polarity. Powerful talk battery capability tests telecom circuits.



- IntelliTone digital processing eliminates noise and false signals
- SmartTone™ analog toning precisely isolates individual wire pairs
- Locates cables safely and effectively on active networks
- Verifies twisted-pair installation with visual end-to-end continuity test
- Identifies, diagnoses, and troubleshoots datacom/telecom services

Model	Description
MT-8200-60A	IntelliTone Pro 200 Kit – includes IntelliTone Pro 200 Toner and 200 Probe, coax F connector adapter, two RJ-11 and two RJ-45 patch cables and test leads with alligator clips
MT-8200-50A	IntelliTone Pro 100 Kit – includes IntelliTone Pro 100 Toner and 100 Probe, coax F connector adapter, RJ-11 and RJ-45 patch cables and test leads with alligator clips
MT-8200-61A	IntelliTone Pro 200 Toner
MT-8200-51A	IntelliTone Pro 100 Toner
MT-8200-63A	IntelliTone Pro 200 Probe
MT-8200-53A	IntelliTone Pro 100 Probe



Pro3000™ Analog Toner and Probe

The Pro3000 Toner and Probe kit is the innovative analog toner and probe from Fluke Networks. It's your best choice for toning and tracing bare wire on non-active networks. Easily identify individual pairs with its patented SmartTone™ technology (the five different tones for exact pair identification). Angled-bed-of-nails clips allow easy access to individual wires, and the RJ-11 connector is ideal for use on telephone jacks. The large powerful speaker on the probe allows you to hear through drywall, wood or other enclosures to find wires quickly and easily. You can send tone up to 10 miles on most cables. Attach the nylon pouch to your belt, and you will be equipped for any wire identification job.



- Select solid or alternating tone options, indicated with solid or flashing LEDs
- Exclusive SmartTone technology generates five separate analog tones when the pair is shorted at the far end
- Works on de-energized AC wire, telephone/twisted pair wire, all voice and data category rated cable, all coax cable, speaker wire and security wire

Model	Description
26000900	Pro3000 Analog Tone and Probe Kit
26100900	Pro3000 Probe
26200900	Pro3000 Toner
26100103	Pro3000 Analog Probe replacement tip



TS®90 Cable Fault Finder

The TS90 is our easy-to-use, three-tools-in-one tester – a fault locator, a cable inventory manager and a toner with SmartTone™ technology (up to 2,500 feet). Easily find the distance to opens or shorts on electrical wire, telephone wire, security wire and coax. Displays distance reading rather than waveform.

- Works on any two or more conductor cable up to 2,500 feet
- Instantly measures distance to open or any fault from one end of any cable pair
- Patented SmartTone™ tone generator positively identifies pair
- Measures cable distance on spool
- Measures constantly while "on"

Model	Description
26500090	TS90 cable fault finder with BNC to alligator clips
26501100	TS90 line cord, BNC to alligator clip
26501160	TS90 pouch with belt clip
26501200	TS90 line cord, BNC to F (male)
26501300	TS90 line cord, BNC to F (female)
26501600	TS90 line cord, banana
26501700	TS90 line cord, BNC to banana to ABN



TS®100 Cable Fault Finder

Similar to the TS90, the TS100 is three tools in one tester – a fault locator, a cable inventory manager and a toner with SmartTone™ technology (up to 3,000 feet). Easily find the distance to opens or shorts on electrical wire, telephone wire, security wire and coax. Displays distance reading rather than waveform.

- Works on any two or more conductor cable up to 3,000 feet (metric unit also available)
- Instantly measures distance to open or any fault from one end of any cable pair
- Patented SmartTone™ tone generator positively identifies pair
- Measures cable distance on spool
- Measures constantly while "on"

Model	Description
26500000	TS100 cable fault finder with BNC to alligator clips
26500500	TS100 with BNC to banana to ABN
26500610	TS100 metric cable fault finder with BNC to alligator clips
26501100	TS100 line cord, BNC to alligator clip
26501160	TS100 pouch with belt clip
26501200	TS100 line cord, BNC to F (male)
26501300	TS100 line cord, BNC to F (female)
26501600	TS100 line cord, banana
26501700	TS100 line cord, BNC to banana to ABN

Fiber Testing, Troubleshooting and Certification

Complete solutions for the installation, testing, documentation and certification of fiber premises cabling



The Fluke Networks fiber test family is the industry's broadest range of tools fiber inspection and cleaning, loss/length (Tier 1) fiber certification, and fiber plant characterization and troubleshooting (Tier 2 certification). From OTDRs to cleaning supplies, Fluke Networks fiber optic tools meet the complex needs of cabling contractors, installers and technicians. We set the standard for accuracy, ease of use, and field toughness. So, whether you need simple continuity testing or advanced certification, Fluke Networks is the right fiber choice.

Fiber Testing, Troubleshooting, and Certification Product Comparison



	Inspection & Cleaning		Loss Length (Tier 1) Certification			Plant Characterization & Troubleshooting (Tier 2 Certification)			
	FiberInspector Pro/Mini Video Microscopes	Fiber Optic Cleaning Kits	SimpliFiber Pro Power Meter & Fiber Test Kits	DTX-CLT CertiFiber Optical Loss Test Set	DTX Series with Fiber Module	VisiFault Visual Fault Locator	FindFiber Remote ID	DTX Series with Compact OTDR Module	OptiFiber OTDR
Check for fiber end-face contamination or damage	✓								✓
Clean contamination		✓							
Check connectivity			✓	✓	✓	✓	✓	✓	✓
Check polarity			✓	✓	✓	✓	✓		
Verify loss over entire link to ensure loss budget not exceeded			✓	✓	✓				
Dual-fiber loss testing				✓	✓				
Basic (Tier 1)			✓	✓	✓				
Locate faults						✓		✓	✓
Extended (Tier 2)								✓	✓
Pass/fail results				✓	✓			✓	✓
Document test results			✓	✓	✓			✓	✓
Fiber types supported	Multimode Singlemode	Multimode Singlemode	Multimode Singlemode	Multimode Singlemode	Multimode Singlemode	Multimode Singlemode	Multimode Singlemode	Multimode Singlemode	Multimode Singlemode
Source type		LED, FP Laser	LED, FP Laser	LED, FP Laser, and VCSEL	LED, FP Laser, and VCSEL		Laser	LED, FP Laser	LED, FP Laser







Fiber Inspection and Cleaning



FiberInspector™ Pro Video Microscope

The FiberInspector Pro is a portable, dual magnification video microscope which enables inspection of all types of installed fiber terminations in hardware devices and patch panels. The video microscope projects a crisp, clear image of microscopic debris and end-face damage.

Model	Description
FT600	FiberInspector Pro Video Microscope
OFTM-5352	FiberInspector Pro for OptiFiber Certfying OTDR
OPV-FT600	FiberInspector Pro for OptiView Integrated Network Analyzer

- Easily inspects fiber connectors already installed on patch panels
- Quickly determines whether fiber connectors on a hardware device are clean and in good condition – without disassembling the device
- Contains high-magnification optics that provides crisp, clear images of microscopic debris and end-face damage



FiberInspector™ Mini Video Microscope

The FiberInspector Mini video microscope enables inspection of end-faces on all types of installed fiber. The portable video microscope projects a crisp, clear image of microscopic debris and end-face damage.

Model	Description
FT500	FiberInspector Mini Video Microscope
FT525	FiberInspector Mini and Cleaning Kit

- The exceptionally convenient FiberInspector Mini uses a 200x magnification probe sufficient for inspecting both multimode and singlemode fiber
- Quickly determines whether fiber connectors on a hardware device are clean and in good condition without disassembling the device
- Contains high-magnification optics that provide crisp, clear images of microscopic debris and end-face damage



FiberViewer™ Fiber Microscope

The FiberViewer fiber microscope ensures a termination is clean and ready for optical transmission. Inspect multimode and singlemode fiber end-faces, and protect your eyes with the built-in safety filter.

Model	Description
FT120	FiberViewer, 200X
FT140	FiberViewer, 400X
NF350	1.25 mm universal microscope adapter

- Ensures clean, smooth terminations ready for optical transmission
- Special safety filter to protect your eyes from harmful infrared rays
- Handheld microscopes used to inspect the ends of fiber optic connections
- FT120 offers 200X magnification, FT140 offers 400X magnification



VisiFault™ Visual Fault Locator

The laser-powered VisiFault Visual Fault Locator (VFL) traces fibers, verifies continuity and polarity, and helps find breaks in cables, connectors and splices. Continuous and flashing modes for easier identification. Compatible with 2.5 mm and 1.25 mm connectors for easy connection.

Model	Description
VisiFault	VisiFault Visual Fault Locator with 2.5 mm universal adapter
NF380	1.25 mm Universal VisiFault Adpater

- Bright red visible laser light source, features continuous and flashing modes
- Accelerates end-to-end fiber continuity checks
- Speeds fiber tracing and identification
- Aids in location of fiber faults including tight bends, breaks and bad connectors



Fiber Optic Cleaning Kits

Contaminated end-faces are the #1 cause of fiber link failure. Prevent this common problem with Fluke Networks Fiber Optic Cleaning Kits and Components. These precision fiber optic cleaning kits and components allow effective removal of all contaminants from end-faces on both patch cords and inside ports.



- Prevent the #1 cause of fiber link failure: end-face contamination
- Everything needed for precision cleaning of end-faces on both patch cords and inside ports
- Specially formulated solvent dissolves contaminants, neutralizes static charge and encapsulates particles for removal
- A range of wipers and swabs enable cleaning of all styles of fiber optic connections
- Use the convenient and rugged carrying case to store all of the cleaning components

Model	Description
NFC-Kit-Case	Fiber Optic Cleaning Kit – includes cleaning cube with wipes, ten cards with sealed cleaning zones, solvent pen, 2.5 mm port cleaning swabs and 1.25 mm port cleaning swabs in a rugged carrying case.
NFC-Kit-Box	Fiber Optic Cleaning Kit – includes cleaning cube with wipes, five cards with sealed cleaning zones, solvent pen and 2.5 mm port cleaning swabs.
NFC-Cube	Cleaning cube with wipes – cleans up to 500 end-faces
NFC-Cards-5pack	5 cards with 12 sealed cleaning zones each – perfect for troubleshooting
NFC-SolventPen	Special solvent dispensed from pen (9 g)
NFC-Swabs-1.25mm	LC and MU port cleaning swabs (25 count)
NFC-Swabs-2.5mm	SC, ST, 2.5 mm port cleaning swabs (50 count)
NFC-Swabs-Multi	Multi MTP/MPO port cleaning swabs (25 count)
NFC-Case	Carrying case for cleaning accessories
FT525	FiberInspector Mini and Cleaning Kit
GLD-FTINSPECTOR	1-year of Gold Support

Inspection Adapters



Model	Description
NFM110	Accessory tip set for FiberInspector Mini (LC, FC and 1.25 mm)
NF390	APC (Angled Physical Connector) video adapter probe for FiberInspector Mini
NFM120	Rechargeable battery for FiberInspector Mini (NIMH) for FiberInspector Mini
NF350	1.25 mm universal microscope adapter (FT-120/FT-140)
NF360	MT-RJ video probe adapter tip for FiberInspector Pro
NF362	LC video probe adapter tip for FiberInspector Pro
NF366	E2000 video probe adapter tip for FiberInspector Pro
NF368	1.25 mm universal video probe adapter tip for male ends for FiberInspector Pro
NF370	MTP/MPO video probe adapter tip for FiberInspector Pro
NF395	APC (Angled Physical Connector) video adapter probe for FiberInspector Pro
NF300SM	ST/ST SM fiber optic adapter
NF310SM	SC/SC SM fiber optic adapter

Loss/Length (Tier 1) Fiber Certification



DTX Fiber Modules

Add loss/length fiber certification capability to your DTX CableAnalyzer. Certify fiber loss, length and polarity quickly and simply with the one-button Autotest. Featuring automated testing of two fibers, each at two wavelengths, optical length measurement and pass/fail analysis. The fastest test solution that yields the greatest time and cost savings. Troubleshoot problems visually with the built-in VFL. Save, upload and report results using LinkWare PC software. Available multimode and singlemode modules enable certification of both fiber types.

Model	Description
DTX-MFM2	Multimode 850 and 1300 nm
DTX-SFM2	Singlemode 1310 and 1550 nm
GLD-DTX-FIBERMOD	1-year of Gold Support – DTX Fiber Module
GLD-DTXFMOD-3YEAR	3-years of Gold Support – DTX Fiber Module

See page 8 for the DTX CableAnalyzer copper options.



DTX-CLT CertiFiber® Optical Loss Test Set

The DTX-CLT CertiFiber® OLTS enables you to easily and accurately certify two fibers concurrently over two wavelengths according to custom requirements or established industry specifications. Quickly and efficiently conduct troubleshooting with a convenient integrated Visual Fault Locator (VFL).

- 12 second Autotest – loss measurement of two fibers at two wavelengths, optical link budget calculation, and a PASS/FAIL analysis
- Fast and professional test result documentation via the widely-used LinkWare reporting software
- Optimized for applications ranging up to 10 Gig
- Interchangeable multimode and singlemode modules (which are also compatible with the popular DTX CableAnalyzer™ Series)
- Accurate fiber length measurement – eliminate haphazard guessing!
- Continuity and polarity verification
- Easy-to-use and widely-recognized DTX-based user interface
- On-board visual fault locator (VFL) to locate fibers and breaks
- Supports various small form factor (SFF) fiber connectors

Model	Description
DTX-CERTIFIBER-M	Multimode DTX-CLT CertiFiber – includes DTX-MFM2 and one set of 50 µm SC/SC test reference cords
DTX-CERTIFIBER-S	Singlemode DTX-CLT CertiFiber – includes DTX-SFM2 and one set of SM SC/SC test reference cords
DTX-CERTIFIBER-MS	Multimode and singlemode DTX-CLT CertiFiber – includes DTX-MFM2 and DTX-SFM2 and one set each of 50 µm and SM SC/SC test reference cords
DTX-CERTIFIBER/MU	Replacement mainframe for DTX-CLT CertiFiber
DTX-CERTIFIBER/RU	Replacement remote for DTX-CLT CertiFiber
GLD-DTX-FIBERMOD	1-year of Gold Support



SimpliFiber Pro® Optical Power Meter

With new advanced functions that make fiber testing simple, SimpliFiber® Pro Optical Power Meter and Fiber Test Kits are the single "go-to" kits for anyone involved in first-line optical fiber cabling installation and verification. Designed for in-house fiber technicians as well as contractors, our expertly configured kits are housed in a professional and durable case and contain all the simple-to-use tools needed to quickly measure loss and power levels, locate faults and polarity issues, and inspect and clean connector end-faces. Each SimpliFiber Pro set includes the following industry-leading features:

- Dual-wavelength testing – complete testing in half the time
- Additional wavelengths to include 1490 and 1625 – calibrated to extend from typical enterprise wavelengths for broader applications
- Min/Max – precision tracking of intermittent power fluctuations, a superior alternative to the inaccurate "wiggle" test
- CheckActive™ – audible tone and display icon alerts you to a live wire
- Saves 1,000 results fully compatible with our popular LinkWare™ Cable Test Management Software
- Quickly locate cable fault, polarity, and connector problems with VisiFault VFL

Model	Description
SFPOWERMETER	SimpliFiber Pro optical power meter; SC adapter included.
SFMULTIMODESOURCE	SimpliFiber Pro multimode 850/1300 light source. Fixed SC port (with ST and LC testing capability available using hybrid test-reference cord accessories purchased separately) – includes FindFiber™ source capability.
SFSINGLEMODESOURCE	SimpliFiber Pro singlemode 1310/1550 laser light source. Fixed SC port (with ST and LC testing capability available using hybrid test-reference cord accessories purchased separately) – includes FindFiber™ source capability.



To learn the truth about fiber optic inspection and cleaning – what to look for, when and how to inspect ports and end faces, and how to keep them clean – please check out our Best Practices in Fiber Optic Installation white paper at **www.flukenetworks.com/whitepapers**



Fiber Test Kits

SimpliFiber Pro fiber test kits come in every configuration to meet your testing needs.

Each fiber test kit includes the following industry-leading features:

- **Dual-wavelength testing** – complete testing in half the time
- **Additional wavelengths to include 1490 and 1625** – calibrated to extend from typical enterprise wavelengths for broader applications
- **Min/Max** – precision tracking of intermittent power fluctuations. A superior alternative to the inaccurate "wiggle" test
- **CheckActive™** – audible tone and display icon alerts you to a live wire
- Saves 1,000 results fully compatible with our popular LinkWare™ Cable Test Management Software
- Quickly locate cable fault, polarity, and connector problems with VisiFault VFL



Complete Fiber Verification Kit (FTK1450)

The Complete Fiber Verification Kits are for network technicians and contractors who install and maintain premise networks with both multimode and singlemode optical fiber. Use these kits to verify optical loss and power levels at 850, 1300, 1310, 1490, 1550, and 1625 nm, inspect fiber end-faces, locate cable faults, connector problems, and polarity issues.



Full-featured Inspection and Multimode Verification Kit (FTK1300 and FTK1350)

The Full-featured Inspection and Multimode Verification Kits are for network technicians and contractors who install and maintain multimode premises network. Use these kits to verify optical loss and power levels at 850 and 1300 nm, inspect fiber end-faces, locate cable faults, connector problems, and polarity issues.



Basic Verification Kit (FTK1000 and FTK2000)

The Basic Verification Kit is a great starter kit for network technicians and contractors who install and maintain fiber links. Available in single or multimode configurations, quickly verify optical loss and power levels at 850 and 1300 nm or 1310 and 1550 nm. Add additional sources, microscopes, and VFL options as needed.



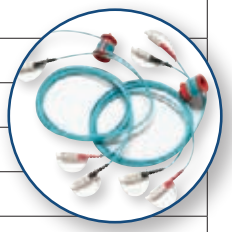
Copper and Fiber Technician's Kit (CIQ-FTKSFP)

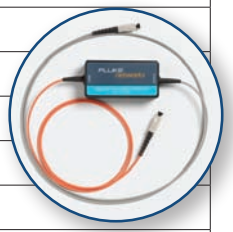
Consisting of the CableIQ (CIQ-KIT) and the SimpliFiber Pro Basic Verification Kit (FTK1000), the Copper and Fiber Technician's Kit provides a robust combination of tools to help you expertly manage your network to it keep it running smoothly and inexpensively. Simple-to-use straight from the box, you can do everything from quickly troubleshooting and qualifying cabling link bandwidth to verifying optical fiber power and loss.

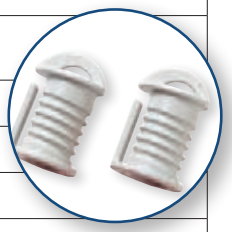
Model	FTK1000	FTK1300	FTK1350	FTK1450	FTK2000
SimpliFiber Power Meter	•	•	•	•	•
SimpliFiber Source 850/1300 MM source	•	•	•	•	
SimpliFiber Sources 1310/1550 SM source				•	•
FindFiber Remote ID source		•	•	•	
FT120 200x FiberViewer		•			
FT500 FiberInspector			•	•	
VisiFault Visual Fault Locator		•	•	•	
NFC-Kit-Box (fiber optic cleaning kit)				•	
Professional durable carrying case	•	•	•	•	•

Test-Reference Cords, Adapters and Mandrels

Model	Description
NFK1-EFLC-SC	One 62.5 µm SC/SC Encircled Flux Launch Controller (two required for DTX)
NFK1-EFLC-LC	One 62.5 µm SC/LC Encircled Flux Launch Controller (two required for DTX)
NFK2-EFLC-SC	One 50 µm SC/LC Encircled Flux Launch Controller (two required for DTX)
NFK2-EFLC-LC	One 50 µm SC/LC Encircled Flux Launch Controller (two required for DTX)
NF-MANDREL-50	Mandrel, 3 mm fiber cable, 50 µm (1)
NF-MANDREL-625	Mandrel, 3 mm fiber cable, 62.5 µm (1)
NF300SM	Fiber Optic adapter, ST/ST, singlemode
NF310SM	Fiber Optic adapter, SC/SC, singlemode
NFA-FC	FC test adapters – set of two
NFA-LC	LC test adapters – set of two
NFA-SC	SC test adapters – set of two
NFA-ST	ST test adapters – set of two
NFB1/2-LC/ST	Kit of duplex MM 62.5 µm and 50 µm test cords with LC and ST adapters
NFK1-DPLX-FC	Duplex MM 62.5 µm test reference cords for FC adapter – set of two
NFK1-DPLX-LC	Duplex MM 62.5 µm test reference cords for LC adapter – set of two
NFK1-DPLX-SC	Duplex MM 62.5 µm test reference cords for SC adapter – set of two
NFK1-DPLX-ST	Duplex MM 62.5 µm test reference cords for ST adapter – set of two
NFK1-LC	LC accessory kit includes (2) duplex MM 62.5 um patch cables for LC adapter, dual LC-to-dual LC test jumper and adapter
NFK1-MANDREL-KIT	Kit, mandrel, 3 mm fiber cable, 50 µm and 62.5 µm
NFK2-DPLX-FC	Duplex MM 50 µm test reference cords for FC adapter – set of two
NFK2-DPLX-LC	Duplex MM 50 µm test reference cords for LC adapter – set of two
NFK2-DPLX-SC	Duplex MM 50 µm test reference cords for SC adapter – set of two
NFK2-DPLX-ST	Duplex MM 50 µm test reference cords for ST adapter – set of two
NFK3-DPLX-FC	Duplex SM test reference cords for FC adapter – set of two
NFK3-DPLX-LC	Duplex SM test reference cords for LC adapter – set of two
NFK3-DPLX-SC	Duplex SM test reference cords for SC adapter – set of two
NFK3-DPLX-ST	Duplex SM test reference cords for ST adapter – set of two
NFK1-SMPLX-SC	(2) Simplex MM 62.5 um test reference cords for SC adapter
NFK1-SMPLX-LC	(2) Simplex MM 62.5 um test reference cords for LC adapter
NFK1-SMPLX-ST	(2) Simplex MM 62.5 um test reference cords for ST adapter
NFK2-SMPLX-SC	(2) Simplex MM 50 um test reference cords for SC adapter
NFK2-SMPLX-LC	(2) Simplex MM 50 um test reference cords for LC adapter
NFK2-SMPLX-ST	(2) Simplex MM 50 um test reference cords for ST adapter
NFK3-SMPLX-SC	(2) Simplex SM test reference cords for SC adapter
NFK3-SMPLX-LC	(2) Simplex SM test reference cords for LC adapter
NFK3-SMPLX-ST	(2) Simplex SM test reference cords for ST adapter







Fiber Plant Characterization & Troubleshooting (Tier 2 Certification)



OptiFiber® OTDR

OptiFiber® OTDR is the fiber testing and troubleshooting solution to ensure the health of your most critical network cabling.

OptiFiber integrates power/loss, fiber length measurement, OTDR analysis and fiber connector end-face imaging to provide a higher tier of fiber certification and diagnostics. The companion LinkWare PC software documents, reports and manages all test data. OptiFiber enables network owners of all experience levels to certify fiber to customer specifications and industry standards, troubleshoot connection-rich links, and thoroughly document results.

- Diagnose and solve fiber problems with integrated ChannelMap™, Auto OTDR and fiber end-face inspection
- Boost productivity with an easy-to-use interface and small, lightweight design
- Certify fiber using integrated Auto OTDR analysis, automated loss and length measurements and fiber end-face inspection
- Enhance visibility into premise, campus and metro networks with short event dead zones
- Document fiber with LinkWare™ Cable Test Management software

Model	Description
OF-500-M	OptiFiber multimode value bundle – includes mainframe, multimode module and standard accessories
OF-500-S	OptiFiber singlemode value bundle – includes mainframe, singlemode module and standard accessories
OF-500-MS	OptiFiber multimode/singlemode value bundle – includes mainframe, multimode and singlemode modules and standard accessories
OF-500-M10	OptiFiber datacenter-ready certifying OTDR (MM) – includes mainframe, multimode OTDR/OPM/LL module, 62.5 µm and 50 µm launch fibers, 200x/400x inspection camera, and standard accessories
OF-500-MS35	OptiFiber enterprise-ready certifying OTDR (MM/SM) – includes mainframe, multimode OTDR/OPM/LL module, 62.5 µm, 50 µm, and singlemode launch fibers, 200x/400x inspection camera, and standard accessories
OF-500-MS45	OptiFiber premium enterprise-ready certifying OTDR (MM/SM) – includes contents and capabilities of OF-500-MS35, plus SmartRemote unit components (DTX-1800/RU, DTX-MFM2/SU, DTX-SFM2/SU, and accessories)
OF-500-MSDTX	OptiFiber enterprise-ready certifying OTDR (MM/SM) + DTX CableAnalyzer – includes contents and capabilities of OF-500-MS35, plus DTX-1800 INTL, DTX-MFM2/SU & DTX-SFM2/SU modules, 62.5µm, 50µm, and SM premium test reference cords
GLD-OF	1-year of Gold Support – OptiFiber Mainframe and battery (no module). Models: OF-500
GLD-OF-500-M	1-year of Gold Support – OptiFiber Multimode Value Bundle. Models: OF-500-M, OF-500-01, OF-500-01/50M, OF-500-02, OF-500-02/50M or OF-400-01.
GLD-OF-500-S	1-year of Gold Support – OptiFiber Singlemode Value Bundle. Models: OF-500-S, OF-400-02 or OF-500-03.
GLD-OF-500-MS	1-year of Gold Support – OptiFiber MM/SM Value Bundle. Models: OF-500-MS or OF-400-03.
GLD-OF-500-M10	1-year of Gold Support – OptiFiber Datacenter-Ready Certifying OTDR(MM). Models: OF-500-M10, OF-500-10 or OF-500-10/50M.
GLD-OF-500-MS35	1-year of Gold Support – OptiFiber Enterprise-Ready Certifying OTDR(SM/MM) Bundle. Models: OF-500-MS35, OF-500-35 or OF-500-35/50M.
GLD-OF-500-MS45	1-year of Gold Support – OptiFiber Premium Enterprise-Ready Certifying OTDR (MM/SM) Bundle. Models: OF-500-MS45 or OF-500-45.
GLD-OF-500-MSDTX	1-year of Gold Support – OptiFiber Enterprise-Ready Certifying OTDR + DTX CableAnalyzer (MM/SM) Bundle. Models: OF-500-MSDTX or OF-500-50.
GLD-OFTM-53XX	1-year of Gold Support – OptiFiber Probe Kit. Models: OFTM-5352
GLD-OFTM-56XX	1-year of Gold Support – OptiFiber Module. Models: OFTM-5611B or OFTM-5612B
GLD-OFTM-57XX	1-year of Gold Support – OptiFiber Module. Models: OFTM-5730,OFTM-5731 or OFTM-5732
GLD-OFSR-MM-REM	1-year of Gold Support – OptiFiber Smart Remote with Multimode Module Bundle. Model: OFSR-MMREM
GLD-OFSR-REMOTEMOD	1-year of Gold Support – OptiFiber Smart Remote Modules. Models: OFSR-SFM Singlemode or OFSR-MFM Multimode

OptiFiber Modules/Accessories



Model	Description
OFTM-5610B	Multimode OTDR module
OFTM-5611B	Multimode OTDR module with power meter
OFTM-5612B	Multimode OTDR module with power meter / loss-length
OFTM-5730	Singlemode OTDR module with visual fault locator
OFTM-5731	Singlemode OTDR module with power meter / visual fault locator
OFTM-5732	Singlemode OTDR module with power meter / loss-length / visual fault locator
OFSR-MMREM	OptiFiber Smart Remote with multimode module bundle
OFSR-SFM	Singlemode module for OptiFiber Smart Remote
OFSR-MFM	Multimode module for OptiFiber Smart Remote
OFTM-5352	FiberInspector Pro video probe (250x/400x). See page 19 for applicable Fiber Inspector Pro tips.

Launch Fibers



Model	Description
NFK1-LAUNCH	SC/SC launch fiber, 62.5 µm, 100 m
NFK2-LAUNCH	SC/SC launch fiber, 50 µm, 100 m
NFK3-LAUNCH	SC/SC launch fiber, singlemode, 130 µm
NFK1-LAUNCH-ST	SC/ST launch fiber, 62.5 µm
NFK1-LAUNCH-LC	SC/LC launch fiber, 62.5 µm
NFK1-LAUNCH-FC	SC/FC launch fiber, 62.5 µm
NFK2-LAUNCH-ST	SC/ST launch fiber, 50 µm
NFK2-LAUNCH-LC	SC/LC launch fiber, 50 µm
NFK2-LAUNCH-FC	SC/FC launch fiber, 50 µm
NFK2-LAUNCH-E2K	SC/E2000 launch fiber, 50 µm
NFK3-LAUNCH-ST	SC/ST launch fiber singlemode
NFK3-LAUNCH-LC	SC/LC launch fiber singlemode
NFK3-LAUNCH-FC	SC/FC launch fiber singlemode
NFK3-LAUNCH-E2K	SC/E2000 launch fiber singlemode

Visit **www.flukenetworks.com/OTDRdemo** to view the product demo.





DTX Compact OTDR

Fluke Networks Compact OTDR module is the latest enhancement to the DTX CableAnalyzer. In addition to performing copper certification and diagnostics, your team can become fiber test experts when you decide to grow your business and turn your cable tester into an OTDR. This full featured, compact OTDR module snaps onto a DTX CableAnalyzer and provides unmatched ease of use for premises fiber testing. Choose a kit that includes a DTX mainframe and smart remote, options for copper certification, optical loss/length capability, or order a module and software that can be installed on a your own DTX CableAnalyzer.

- Turn your cable tester into an OTDR
- Test and troubleshoot fiber like an expert with easy-to-use DTX Compact OTDR
- Shoot OTDR traces on singlemode and multimode links at 850 nm, 1300 nm, 1310 nm, 1550 nm
- Perform extended Tier 2 certification with one powerful cable tester

Complete DTX 1800 Copper/Fiber Certification Kit (DTX-1800-MSO) Choose this option if you install and maintain premise networks with both copper and fiber. Includes a mainframe and Smart Remote along with the complete package of testing and troubleshooting options.

Copper/Multimode Fiber Certification Kit (DTX-1800-MO)
Choose this option if you install or certify copper and fiber in datacenters. Includes a DTX-1800 mainframe, a Smart Remote, two multimode DTX MFM2 Fiber Modules, and one DTX Compact OTDR Module.

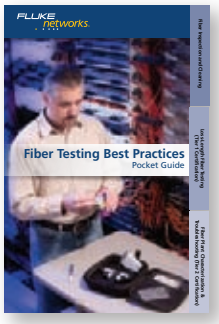
DTX Compact OTDR Starter Kit (DTX-QUAD-OTDR)
Choose this option if you are looking for an OTDR for fiber troubleshooting and extended certification. Copper and Tier 1 fiber certification can be added later with addition of a Smart Remote and other options and accessories.

DTX Compact OTDR Module (DTX-OTDR-QMOD)
Choose this option if you already own a DTX mainframe and want to add OTDR capability and want to purchase launch fibers separately.

DTX Compact OTDR Kit (DTX-OTDR-KIT)
Choose this option if you own a DTX CableAnalyzer with loss/length fiber capability and want to add an OTDR option and accessories.

DTX Fiber Certification Kit (DTX-OTDR/LL-KIT)
Choose this option if you own a DTX CableAnalyzer without fiber capability. This kit will give you complete fiber certification and troubleshooting capability.

Model	DTX 1800-MSO	DTX-QUAD-OTDR	DTX-OTDR-KIT	DTX-OTDR/LL-KIT	DTX-OTDR-QMOD	DTX-1800-MO
850/1300/1310/1550 OTDR Module	•	•	•	•	•	•
DTX-1800 Mainframe	•	•				•
DTX Smart Remote	•					•
Copper accessories	•					•
Fiber accessories	•			•		
Launch fibers	•		•	•		
FiberInspector Mini	•					
Fiber Optic Cleaning Kit	•		•	•		
Standard protective carrying case for DTX CableAnalyzer	•					
Protective carrying case for DTX Compact OTDR and fiber accessories	•	•	•	•	•	
Set of Multimode Fiber Modules (MFM2)	•			•		•
Set of Singlemode Fiber Modules (SFM2)	•			•		
Gold Support	GLD-DTX-MSO	DTX-QUAD-OTDR 120	DTX-OTDR-KIT	DTX-OTDR/LL-KIT	GLD-DTX-OTDR	GLD-DTX-MO



Fiber Testing Best Practices

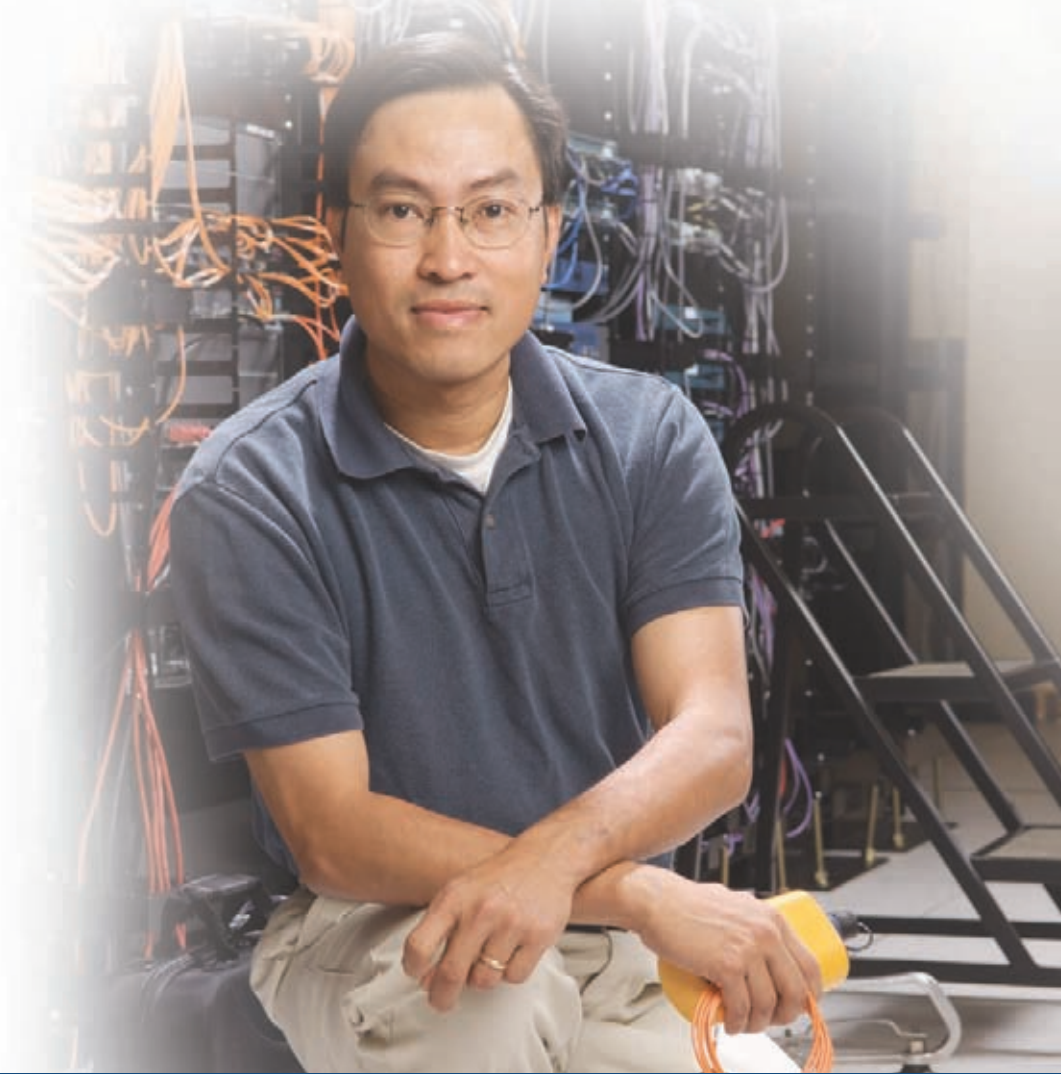
With 40 G/100 G infrastructure deployments in the datacenter quickly becoming reality, the shrinking loss budgets of optical fiber cabling due to increasing bandwidth demands mean that reliable and efficient initial installations are now more important than ever. To minimize costly installer/contractor callbacks, network technician troubleshooting time, and unnecessary network downtimes, fiber-handling best practices should always be followed.

The easy-to-understand Fiber Best Practice Series was created by Fluke Networks to educate about important optical fiber best practices, including:

- Fiber inspection and cleaning
- Loss-length fiber testing (Tier 1 certification)
- Fiber plant characterization and troubleshooting (Tier 2 certification)

Whether you want just the basics or prefer to dive into the technical details, Fluke Networks provides a myriad of materials to help you understand each of these fiber best practices, when and why you should follow them, and simple step-by-step procedures that any technician within your organization can follow to ensure your fiber networks stay up and running.

Download valuable Fiber Testing Best Practices resources at **www.flukenetworks.com/FiberBP**



Tools and Test Kits

Fluke Networks offers a wide range of network installation tools – each one designed to streamline the network installation job



Fluke Networks offers the most reliable set of network installation tools on the market – each one designed to streamline the network installation job. We have all the essential tools you need for installation and termination of high-performance voice, data and video networks. The JackRapid™ Termination Tool saves time and increases accuracy by seating and terminating all wires at once with a simple squeeze of the handle. The Pro-Tool Kits combine all professional tools you need to cut, strip, clean and connect network phone and data lines to blocks and jacks. Our world-renowned punchdown tools, with a variety of interchangeable blades, deliver high-quality, accurate terminations on the first punch. Industry standard Electrical Contractor Telecom Kits offer all the telecommunications tools and test equipment technicians need in one durable case.





JackRapid™ Termination Tool

The JackRapid termination tool is the industry's most innovative and time-saving installation tool. JackRapid allows you to terminate jacks eight times faster than traditional impact tools – with accuracy that's unmatched. The patented jack termination tool seats and terminates all wires simultaneously with one squeeze of an ergonomic handle. The built-in blade cuts off the excess wire after it is seated in the connector, eliminating the need for a secondary trim step. Simple, one-handed operation reduces hand fatigue. With JackRapid, you'll never punch into the palm of your hand or through drywall again.

- Cuts installation time – easy-to-use handle, seats and cuts all wires at once, saving you up to two minutes installation time per jack
- High-quality, consistent terminations – no more compromised connections and wasted jacks
- Simple, one-handed operation with an ergonomically designed handle reduces hand fatigue

Get accurate terminations and clean, consistent cuts every time with the JackRapid Termination Tool.



1. Strip cable jacket with a standard cable stripper or the built-in cable stripper.



2. Determine wiring scheme. Dress all four pairs (eight wires).



3. Insert jack in JackRapid front first with IDC slots facing blades of JackRapid.



4. Ensure jack is completely and securely inserted in jack holder bed with IDC slots facing the blades.



5. Pull trigger completely and remove excess wire prior to releasing trigger.



6. Wires will be seated and cut for a solid termination.

Model	Description
JR-LEV-1	JackRapid termination tool (for Leviton 41106, 41108, 5G108)
JR-LEV-1-H	JackRapid replacement blade head (for Leviton 41106, 41108, 5G108)
JR-SYS-UNI-1	JackRapid termination tool (for Systimax MPS100E, C5,M1BH and Uniprise UNJ600/500/300)
JR-SYS-UNI-1-H	JackRapid replacement blade head (for Systimax MPS100E, C5, M1BH and Uniprise UNJ600/500/300)
JR-LEV-2	JackRapid termination tool (for Leviton 61110, 5G110, 6110G)
JR-LEV-2-H	JackRapid replacement blade head (for Leviton 61110, 5G110, 6110G)
JR-SYS-2	JackRapid termination tool (for Systimax MGS400, MGS500, MFP420, MFP520)
JR-SYS-2-H	JackRapid replacement blade head (for Systimax MGS400,MGS500, MFP420, MFP520)
JR-ORT-2	JackRapid termination tool (for Ortronics TJ5E00, TJ600, TJ610)
JR-ORT-2-H	JackRapid replacement blade head (for Ortronics TJ5E00,TJ600, TJ610)
JR-ADC-2	JackRapid termination tool (for ADC KM8, Copper Ten®)
JR-ADC-2-H	JackRapid replacement blade head (for ADC KM8, Copper Ten®)
JR-ERGOHANDLE	JackRapid ergonomic handle
JR-PAN-2	JackRapid termination tool (for Panduit NK688M)
JR-PAN-2-H	JackRapid replacement blade head (for Panduit NK688M)



D914™S Impact Tool

SoftTouch D914S Impact Tool offers a new ergonomic design with a soft rubber handle for better grip and rounded edges to absorb more of the impact recoil. Includes built-in probe pic/spudger and torque, allowing you to choose from high-and low-impact settings.

- Industry standard, internationally accepted with lifetime warranty
- Hook and spudger tools are built into the handle
- Automatic spring handle – choose low impact for 24/26 gauge wire or high impact for 22-gauge wire
- Accepts Phillips-head or flat screwdriver blade

Model	Description
10061000	D914S Impact Tool
10061100	D914S Impact Tool with EverSharp 66 blade
10061110	D914S Impact Tool with EverSharp 110 and EverSharp 66 blade
10061501	D914S Impact Tool with EverSharp 110, EverSharp 66 blade and free screwdriver blade
10061503	D914S Impact Tool with BIX and EverSharp 66/110 cut blade
10061810	D914S Impact Tool with EverSharp 66/110 cut blade



D914™ Impact Tool

The D914 Impact Tool is the only punchdown tool to combine torque and impact. It combines two versatile tools, the hook and spudger, into the handle. 66/110 blades available.

- Ensures clean, smooth terminations ready for optical transmission
- Industry standard, internationally accepted with lifetime warranty
- Hook and spudger tools are built into the handle
- Automatic spring handle – choose low impact for 24/26 gauge wire or high impact for 22-gauge wire
- Accept Phillips-head or flat screwdriver blade

Model	Description
10051000	D914 Impact Tool
10051100	D914 Impact Tool with EverSharp 66 blade
10051110	D914 Impact Tool with EverSharp 110 blade
10051120	D914 Impact Tool with EverSharp 110 and EverSharp 66 blade
10051501	D914 Impact Tool with EverSharp 110, EverSharp 66 blade and free screwdriver blade



D814™ Impact Tool

The D814 Impact Tool is a deluxe, all-in-one, telecom punch-down tool and comes with the 66/110 blade. Impact wheel has high and low settings. Automatic spring mechanism provides the right impact to seat and/or terminate wires.

- Industry standard with lifetime warranty
- Accepts standard industry blades
- Lightweight and easy-to-use
- Adjustable spring impact mechanism allows low impact for 24/26 gauge wire or high impact for 22-gauge wire

Model	Description
10054000	D814 Impact Tool
10055000	D814 Impact Tool with EverSharp 66 blade
10055110	D814 Impact Tool with EverSharp 110 blade
10055200	D814 Impact Tool with EverSharp 110 and EverSharp 66 blade
10055501	D814 Impact Tool with EverSharp 110, EverSharp 66 blade and free Wood Screw Starter Punch blade
10055503	D814 Impact Tool with BIX and Eversharp 66/110 cut blade



D-Impactor™ 5-Pair Impact Tool

The D-Impactor 5-pair impact tool easily cuts and terminates five copper pairs on a 110 block. This rugged, easy-to-use tool saves time and minimizes hand stress. The patented individually molded blades eliminate the chance of metallic shorts ensuring optimal performance of your network. Lifetime warranty.

- Single reversible blade part
- Ease of use and reversing of cutting blade
- Fewer moving parts allow for smoother push down, less hand stress

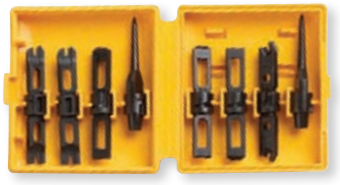
Model	Description
10059000	D-Impactor (five-pair 110 impact tool)
10059030	D-Impactor replacement blade



EverSharp™ Blades

Fluke Networks offers three EverSharp blade designs: the EverSharp 66/110 cut blade, the EverSharp 110 blade and the EverSharp 66 blades. Through special processing of the metal, these high performance blades stay sharper longer than other competitive blades. These blades fit the D914S, D914 and D814 punchdown tools.

Model	Description
10056500	EverSharp 66 blade
10176500	EverSharp 110 blade
10178600	EverSharp 110/66 cut blade



Blade Storage Kit

This unique blade storage case helps prevent loss, misplacement and damage of impact blades by keeping them all together in one convenient hard case. They are sized to fit neatly into shirt or pants pocket or clipped onto belt or tool pouch.

Model	Description
10979003	66 blade kit (2-66 blades, 1-630 blade, 1-Wood Screw Starter blade)
10979004	110 blade kit (2-110 blades, 1-66 blade, 1-Wood Screw Starter blade)
10979002	Blade storage case only

Blades

Fluke Networks increases the versatility and flexibility of its line of impact tools by offering a wide variety of interchangeable blades that permit each tool to perform multiple functions. From our high-performance EverSharp blades, to our unique blade storage kit cases, Fluke Networks has the blades you need to terminate blocks and jacks quickly.

					
10056000	10056003	10057000	10176000	10436001	10465001
66 blade 10056225 **66 blade, bulk** (must be ordered in multiples of 100)	**8762D-66 extra long cutter blade**	**630 blade**	**110 blade** 10176225 **110 blade, bulk** (must be ordered in multiples of 100)	**Centerpunch blade**	**3M System D blade**

					
10645001	10565000	10565110	10665000	10051200	10051300
Wood screw starter punch	**Cut blade, compatible with Krone/ADC**	**Cut blade, compatible with Krone/ADC, 110**	**BIX blade**	**Screwdriver blade** (D914 or D914S only)	**Torque Adapter blade**

Pro-Tool™ Kits

All the professional tools you need to cut, strip, clean and connect network phone and data lines to blocks and jacks. Bundled together in our sleek form-fitting PVC Dur-A-Grip™ tool pouch – holds your tools securely inside, even upside down. Five tool kit combinations to choose from to meet a multitude of applications.

- All kits include ergonomically designed Dur-a-Grip pouch for convenient tool storage on belt
- D914 and D814 industry standard punchdown tools make for solid terminations
- Easy-to-use cable stripper quickly rings and slits many types of cable
- Cut and strip wire cleaner and faster with the Electrician's D-Snips

Kit Descriptions



IS60 Pro-Tool Kit

- D914S Impact tool
- Electrician's D-Snips
- Cable stripper
- Mini Maglite®
- Dur-a-Grip pouch
- EverSharp 66/110 cut blade



IS40 Pro-Tool Kit

- D814 Impact tool
- Electrician's D-Snips
- Cable stripper
- EverSharp 66/110 cut blade
- Probe pic
- Dur-A-Grip pouch



IS50 Pro-Tool Kit

- D914S Impact tool
- Electrician's D-Snips
- Cable stripper
- EverSharp 66/110 cut blade
- Dur-A-Grip pouch

Model	Description
11291000	IS40 Pro-Tool Kit
11291400	Pro-Tool Kit IS40 pouch only
11292000	IS50 Pro-Tool Kit
11292400	Pro-Tool Kit IS50 pouch only
11293000	IS60 Pro-Tool Kit
11293400	Pro-Tool Kit IS60 pouch only

Electrical Contractor Telecom Kits

Fluke Networks Electrical Contractor Telecom Kits are comprised of industry standard telecommunications tools and test equipment. Contents include D814™ Impact Tool, cable stripper, probe pic, Electrican's D-Snips, standard 4-wire modular adapter and EverSharp™ 66/110 cut blade. Soft carrying case included for easy organization.

- Choose either Kit I with TS®30 Test Set or Kit II with Pro3000 Analog Tone and Probe
- D814 industry standard punchdown tool for reliable terminations
- EverSharp 66/110 cut blade provides flexibility for different block and jack terminations
- Cable stripper quickly rings and slits many types of cable
- Use the probe pic to check for loose or damaged connections
- Cut and strip wire cleaner and faster with the Electrician's D-Snips
- Connect to jacks for testing with the standard 4-wire modular adapter
- A soft zippered pouch keeps your tools all in one convenient place

Kit Descriptions



Electrical Contractor Telecom Kit I

- TS®30 Test Set with angled bed-of-nails cord
- D814 Impact Tool
- EverSharp 66/110 cut blade
- Electrician's D-Snips
- Cable stripper
- Standard 4-wire modular adapter
- Probe pic



Electrical Contractor Telecom Kit II

- Pro3000 Analog tone and probe
- D814 Impact Tool
- EverSharp 66/110 cut blade
- Electrician's D-Snips
- Cable stripper
- Standard 4-wire modular adapter
- Probe pic

Model	Description
11290000	Electrical Contractor Telecom Kit I (with TS®30 Test Set)
11289000	Electrical Contractor Telecom Kit II (with Pro3000™ Analog tone and probe kit)
11289400	Soft case, Electrical Contractor Telecom kit



Modular Crimper

Fluke Networks all-in-one crimping tool for WESS type 6- and 8-position modular telephone plugs. Crimps 8-position RJ-45 connectors and 4- and 6-position RJ-11 and RJ-12 connectors.

- Embedded flat cable cutter and stripper

Model	Description
11212530	Modular crimper



Cable Splicing Knife

Fluke Networks cable splicing knife is the perfect tool for splitting cable sheaths. Soft, easy-to-grip handle and cutlery-steel blade for durability and long-lasting blade edge.

- Short blade (1.75 in) for strength
- Cutlery-steel blade for durability
- No slip, easy-to-grip handle
- Cuts various insulation types

Model	Description
44400000	Cable splicing knife



D-Snips™

Fluke Networks Electrician's D-Snips™ offer a unique ergonomically-designed handle that leverages your power, providing 1½ times the cutting force with half the effort.

- Ergonomic design provides 1½ times the cutting force with half the effort
- High-quality forged steel construction for strength and durability
- File and scraper on both blades for cleaning wire
- Notched blade for stripping 19- and 23-gauge wire
- Cuts up to 16-gauge solid and 12-gauge stranded wire

Model	Description
44300000	D-Snips



Electrician's Snips

These versatile electrician's snips feature a file and scraper on both blades for easy wire cleaning. They also feature a handy notched scissor blade for quickly stripping 19- and 23-gauge wire. Made to last with high-quality forged steel, these snips are a must have for your tool bag.

- High-quality forged steel construction for strength and durability
- File and scraper on both blades for cleaning wire
- Notched blade for stripping 19- and 23-gauge wire
- Cuts up to 16-gauge solid and 12-gauge stranded wire
- Serrated blade for non-slip wire cutting

Model	Description
44500000	Electrician's snips





Cable Strippers

Fluke Networks line of cable strippers includes a double slotted cable stripper for 22/24 AWG wire installation and a coax stripper to perform 2-level and 3-level stripping of RG58/59 coaxial cables. We also offer a combo stripper that cuts and rings Teflon®, smoothly slits fiber, copper and coaxial cables, and rings 25-100 pair cable.

- Full line of cable strippers offered
- Round cable stripper for a variety of flexible round cable
- Coax strippers with two or three levels

Model	Description
11230002	Cable stripper (round cable)
44210013	Double slotted stripper with cutter, 22/24 gauge
44200013	Double slotted stripper 22/24 gauge
11231257	Coax stripper, 2-level
11231255	Coax stripper, 2 and 3-level



Need-L-Lock™ Crimping Pliers

The Need-L-Lock pliers' patented four-in-one tool combines UR/UY/UG connector crimper with needle-nose pliers so you can carry one less tool on your belt. Aligned crimping jaws come down square ensuring a solid connection. Jaws are grooved to provide a better grip on wires and feature a built-in cutter and wire stripper.

- Needle nose pliers
- UR/UY/UG connector crimper
- Wire stripper hole
- Built-in side cutter
- Rubber coated handles for non-slip grip

Model	Description
11294000	Need-L-Lock crimping pliers



Probe Pic

Fluke Networks handy, pocket-sized insulation probe is ideal for checking for loose or damaged connections or to spread apart wires for direct access. Its compact size also makes it perfect for using the pic end for tracing or pulling wires from a bunch.

- Trace and pull wires with the pic end
- Check for loose or damaged connections
- Spread apart wires for direct access
- Compact size

Model	Description
44600000	Probe pic, 105 degree



Can Wrench

Fluke Networks can wrenches allow universal access to telephone boxes and pedestals. Open telephone box fasteners and tightens nuts on binding post terminals.

- Two hex head sockets (7/16 inch and 3/8 inch)
- Color-coded socket ends for quick size identification
- Wrench body constructed of tough, impact resistant and abrasion resistant material
- Socket ends guaranteed not to split or break up to a maximum torque of 45 pounds
- Two models available with wire stripper in handle (22 or 24 gauge)

Model	Description
44007000	Can wrench, hex head
44507003	Can wrench with stripper, 22 gauge
44507004	Can wrench with stripper, 24 gauge
10660001	Security key insert

Basic tools to get the job done quickly and accurately

While it's easy to get caught up in the technology of today's cable testers, it's important to remember that the installation starts with some very basic tools. And having the right tool can make all the difference. To begin cutting, stripping, and connecting cabling blocks and jacks, you need a punchdown tool with impact force, a cable stripper, and a pair of scissors. You only have two hands, so a durable pouch to carry these tools will be helpful for transport and ease-of-use once you are on the job.



Punchdown Tool

A punchdown tool properly terminates telecommunications cables. When any wire is punched down, force is required to seat and terminate the wire. The basic impact tool has a spring-loaded head, which you compress using the force of your hand. Once the spring reaches full compression, it's automatically released and the force is transferred to the head of the impact tool, which seats the wire.

Most impact tools accommodate a number of interchangeable blades, depending on the cabling system at your job site. The tool helps you push each wire into the IDC tower to make a permanent connection. Some punchdown tool blades have a cut side that removes the excess wire after the wire is pushed onto the connector; others require you to cut off the wire snips. Also, some punchdown tools offer a soft, rubber handle. This gives you a better grip and reduces wear and tear on your hand. Let the tool absorb some of the impact recoil and give your hand a rest!



Cable Stripper

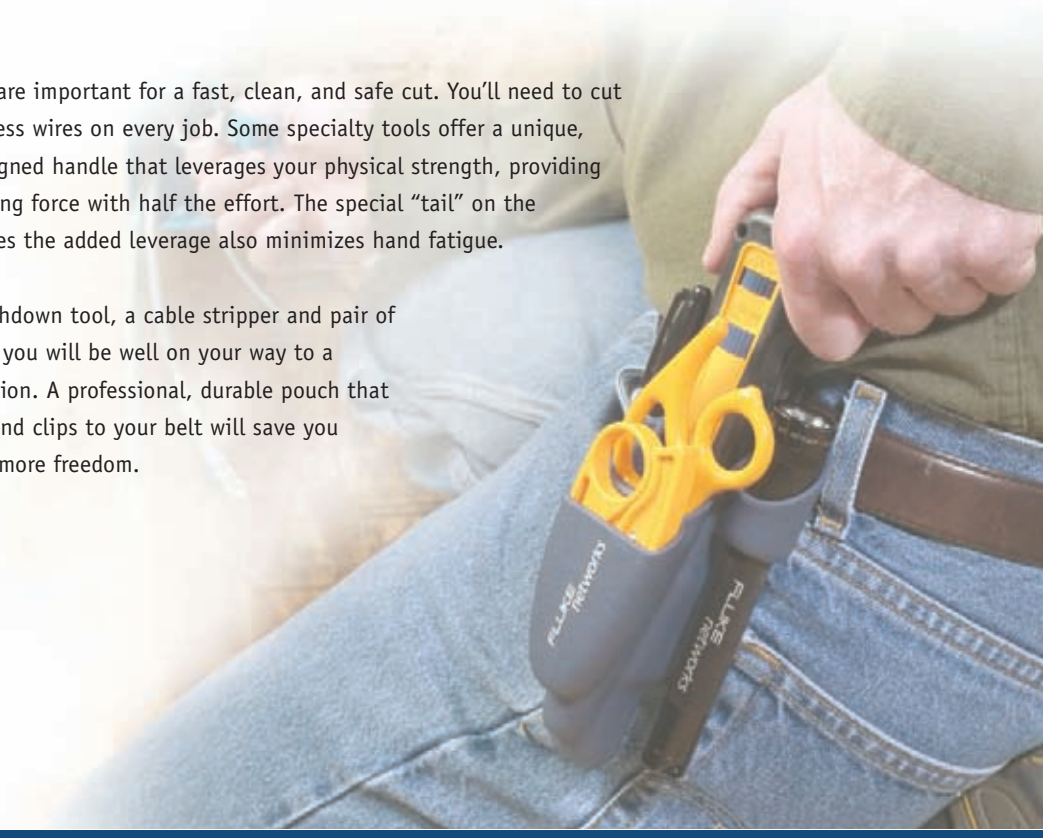
A cable stripper with an adjustable gauge guarantees fast, easy removal of outer insulation from all unshielded twisted pair, shielded twisted pair and multicore cables. An adjustable depth gauge and a reference for checking the length to be stripped ensures repeatable results and improves work quality. Using alternative methods such as a pocket knife or scissors could result in stripping more cable sheath than necessary and damaging the cable itself.

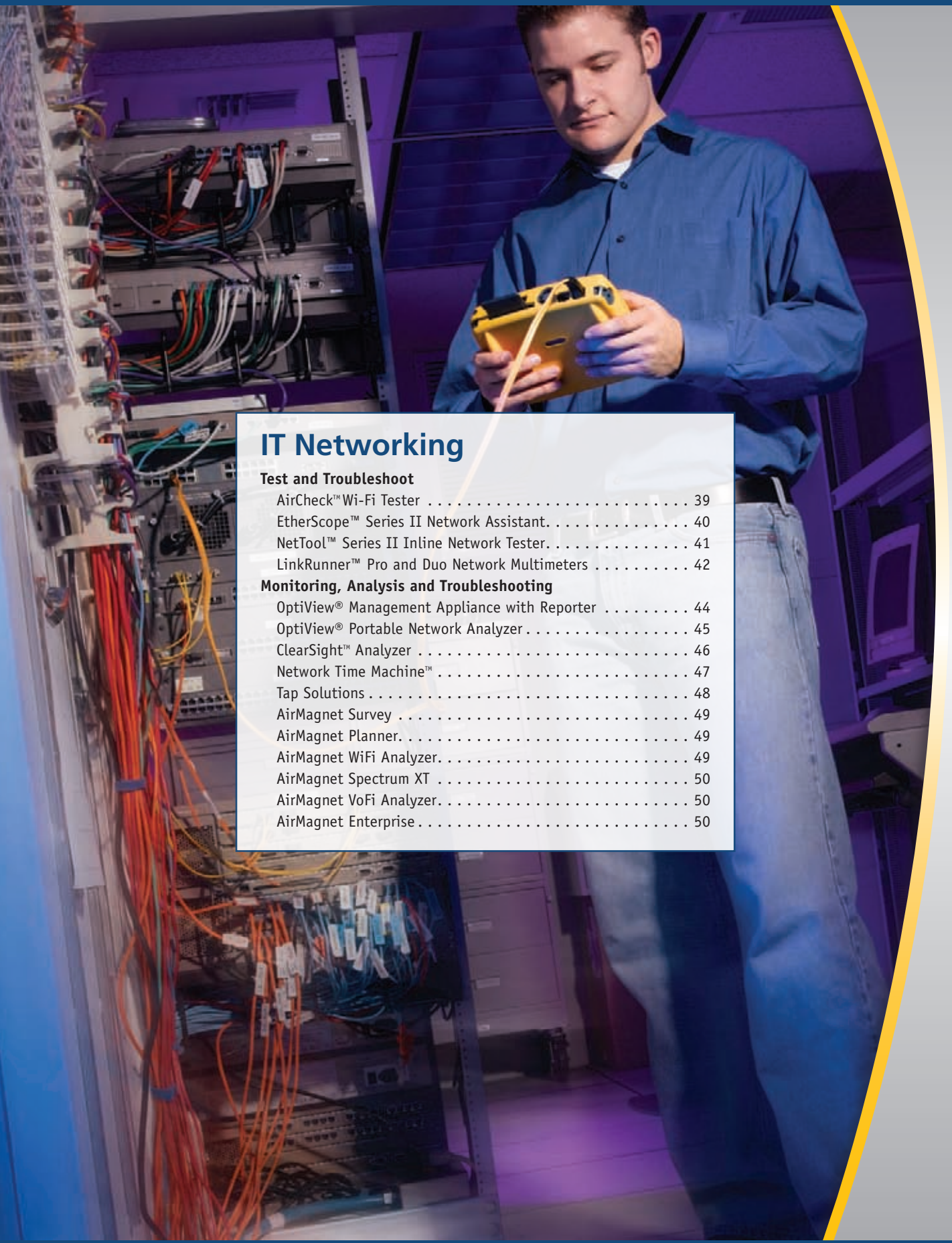


Snips

Professional snips are important for a fast, clean, and safe cut. You'll need to cut cable and trim excess wires on every job. Some specialty tools offer a unique, ergonomically-designed handle that leverages your physical strength, providing 1½ times the cutting force with half the effort. The special "tail" on the handle that provides the added leverage also minimizes hand fatigue.

Armed with a punchdown tool, a cable stripper and pair of professional snips, you will be well on your way to a successful installation. A professional, durable pouch that holds these tools and clips to your belt will save you time and give you more freedom.





IT Networking

Test and Troubleshoot

AirCheck™ Wi-Fi Tester 39
EtherScope™ Series II Network Assistant. 40
NetTool™ Series II Inline Network Tester. 41
LinkRunner™ Pro and Duo Network Multimeters 42

Monitoring, Analysis and Troubleshooting

OptiView® Management Appliance with Reporter 44
OptiView® Portable Network Analyzer 45
ClearSight™ Analyzer 46
Network Time Machine™ 47
Tap Solutions 48
AirMagnet Survey 49
AirMagnet Planner. 49
AirMagnet WiFi Analyzer. 49
AirMagnet Spectrum XT 50
AirMagnet VoFi Analyzer. 50
AirMagnet Enterprise 50

Test and Troubleshoot

Complete line of portable network testers to give frontline technicians vision into their LAN, WLAN, and VLAN networks



Today's networks are typically very stable. The problem is they aren't static. Management and users are constantly demanding new technologies, new services, and better performance, which inevitably requires changing infrastructure, deploying new applications, and dealing with security. The more your network changes, the more you need to improve network vision and control to help you overcome the different types of challenges you encounter every day.

With Fluke Networks family of portable network testers, frontline technicians get a unique view into their LAN, WLAN, and VLAN networks. These tools help network professionals clearly see all aspects of their network. Moves, adds, and changes as well as complex troubleshooting tasks are sped up with the use of these testers. Take these tools anywhere, anytime, to isolate any problem… fast.



AirCheck™ Wi-Fi Tester

The AirCheck Wi-Fi Tester allows network professionals to quickly and easily troubleshoot 802.11 a/b/g/n networks.

Its intuitive design makes it simple for anyone to quickly master AirCheck. Instant power-up and streamlined tests give answers in seconds so you can close trouble tickets faster – making technicians and users alike more productive. Easily manage test results and quickly create reports using AirCheck Manager software. From start to finish, AirCheck helps take the guesswork out of everyday wireless troubleshooting.



- Dedicated, handheld 802.11 a/b/g/n wireless network tester with instant-on technology
- Rapidly perform a wireless discovery to fully assess your current wireless security settings and network availability
- See wireless network utilization by channel and quickly determine if it is 802.11 traffic or non-802.11 interference
- Robust and in-depth WLAN connection tests - from probing to DHCP request to ping
- Quickly identify and locate wireless access points whether authorized or rogue
- Fully document your troubleshooting session thus enabling fast trouble ticket resolution or problem escalation



Model	Description
AirCheck	AirCheck Wi-Fi Tester – includes AirCheck tester, USB cable, soft case, Getting Started Guide, and CD with AirCheck Manager software and User Manual
ACK-LRPRO	AirCheck Frontline Troubleshooting Kit with LinkRunner Pro – includes AirCheck tester, external directional antenna, USB cable, carrying case, Getting Started Guide, extra LION battery, and CD with AirCheck Manager software and User Manual, LinkRunner Pro Standard Kit, and PoE Detector.
AIRCHECK-5PK*	AirCheck 5 Pack – includes five (5) AirCheck testers and five (5) free external directional antennas
AIRCHECK-10PK*	AirCheck 10 pack – includes a bonus free AirCheck tester, so you receive 11 AirCheck testers, and 11 free directional antennas
ES2-PRO-SX/I-ACK	EtherScope Series 2 LAN WLAN SX Fiber ITO + AirCheck – includes AirCheck Wi-Fi Tester and EtherScope Series 2 LAN and WLAN with fiber and ITO options
ES2-PRO-SXI-LR-ACK	EtherScope S2 LAN WLAN SX Fiber ITO + LRPRO + AirCheck-Kit – includes AirCheck Wi-Fi Tester with extra Lithium Ion battery, directional antenna and hardcase, EtherScope E Series 2 LAN and WLAN with fiber and ITO options, and LinkRunner Pro with Reflector, Lithium Ion battery, and software case
GLD-ACK	1-year of Gold Support – AirCheck
Accessories	
EXTANT-RPSMA	External Directional Antenna, RSMA connector
WBP-LION	AirCheck Lithium Ion Replacement Battery
POE-Detector	Power over Ethernet Detector
MS-Auto-Ch	Auto Charger
DTX-ACUN	AC Charger, Universal

** Please note that the AirCheck 5 and 10 packs listed above are only available in the US and Canada.*





EtherScope™ Series II Network Assistant

A handheld 10/100/Gigabit and 802.11 wireless LAN analyzer that assists frontline IT professionals with network installation, LAN validation and troubleshooting. Verify and edit infrastructure configurations. Validate LAN services and measure end-to-end Ethernet performance at rates up to 1 Gbps. Troubleshoot wired and wireless LAN problems fast.

- The essential toolkit for network first responders. The right combination of troubleshooting tools in a handheld platform to help network professionals solve a wide range of problems fast
- Assists network installers with Ethernet performance measurement, installation configuration and LAN validation
- Analyze 10/100/Gigabit twisted pair and 100/Gigabit fiber optic Ethernet LANs. Troubleshoot switched networks. Discover devices, networks and VLANs. Monitor traffic statistics
- Analyze 802.11a/b/g wireless LANs. Troubleshoot performance and connectivity issues. Discover access points, mobile clients and networks. Secure your WLAN. Identify and locate unauthorized rogue devices, including 802.11n access points
- Measure end-to-end Ethernet performance of LAN and WAN links using IETF RFC 2544 and advanced tests at rates up to 1 Gbps over copper or optical fiber cabling

Model	Description
ES2-LAN-SX	EtherScope Series II Network Assistant with 802.3 LAN analysis and fiber optic interface
ES2-LAN-SX/I-KIT	Kit – includes an EtherScope Series II Network Assistant with 802.3 LAN analysis, fiber optic interface, and ITO/RFC 2544 tests; plus a LinkRunner Pro with Reflector, rechargeable battery and carrying case
ES2-PRO-SX/I-ACK	Kit – includes an EtherScope Series II Network Assistant with 802.3 LAN analysis, 802.11 WLAN analysis, fiber optic interface, and ITO/RFC 2544 tests; plus an AirCheck Wi-Fi Tester
ES2-PRO-SXI-LR-ACK	Kit – includes an EtherScope Series II Network Assistant with 802.3 LAN analysis, 802.11 WLAN analysis, fiber optic interface, ITO/RFC 2544 tests, a comprehensive set of accessories, and a larger carrying case; plus a LinkRunner Pro with Reflector, rechargeable battery and carrying case; plus an AirCheck Wi-Fi Tester with extra batter, directional antenna, and hard carrying case
GLD-ES	1-year of Gold Support
GLD-ES-2YR	2-years of Gold Support
GLD-ES-3YR	3-years of Gold Support
Options	
ES-WLAN-OPT	802.11a/b/g WLAN analysis option, PCMCIA radio card, external directional antenna
ES-ITO-OPT	ITO/RFC2544 option – includes Service Performance tool, traffic generator, RFC2544 and advanced performance tests
Accessories	
MT-8200-63A	IntelliTone Pro 200 Probe
LRPRO-REFLCT	LinkRunner Pro with Reflector Option
ES-ACCY-KIT	Accessories kit includes – LION battery, external battery charger, cable IDs, mini keyboard, larger carrying case



NetTool™ Series II Inline Network Tester

Isolate and document network device and application connectivity issues in seconds with NetTool Series II from Fluke Networks. See connectivity to key network devices and services with NetProve™ diagnostics – the fastest way to isolate the source of the problem – whether the cause is the LAN, WAN, firewall, server or application. Get inline visibility into 10/100/Gig links to see actual traffic between switches, PCs, IP phones and other devices. Quickly diagnose IP phone problems and measure key call quality metrics. Verify the readiness of PoE systems and troubleshoot PoE device problems. Speed cable and fault location on active networks with IntelliTone™ digital technology. Create comprehensive reports of your network.



- NetProve diagnostics – isolate device and application connectivity issues in seconds
- Monitoring and authentication – identify spyware, malware, and viruses with port monitoring; troubleshoot authentication issues with 802.1x log. Quickly resolve and document network problems with powerful inline visibility into 10/100/Gig links between switches, PCs, IP phones and other devices
- Connect inline for visibility into VoIP calls to quickly diagnose IP phone boot-up and call control problems and to measure key call quality metrics
- Verify readiness of PoE systems and troubleshoot PoE device problems
- IntelliTone digital cable location and isolation technology speeds cable troubleshooting

Model	Description
NTS2-NSKIT	NetTool Series II Network Service Kit – includes 10/100/1000 Mbps inline, VoIP option, monitoring and authentication option, NetProve diagnostics, IntelliTone toning, IntelliTone Pro 200 Probe, NetTool Connect PC software, WireView Wiremappers #1-6 and deluxe carrying case
NTS2-VOIP	NetTool Series II Pro VoIP – includes 10/100/1000 Mbps inline, VoIP option, NetProve diagnostics, IntelliTone toning, NetTool Connect PC software, WireView Wiremapper #1 and soft carrying case
NTS2-PRO	NetTool Series II Pro – includes 10/100/1000 Mbps inline, NetProve diagnostics, IntelliTone toning, NetTool Connect PC software, WireView Wiremapper #1 and soft carrying case
NT-VOIP	NetTool 10/100 Pro VoIP – includes 10/100 Mbps inline, VoIP option, NetTool Blaster PC software, NetTool Cable Identifier and soft carrying case
NT-PRO	NetTool 10/100 Pro – includes 10/100 Mbps inline, NetTool Blaster PC software, NetTool Cable Identifier, set of four AA alkaline batteries, serial cable, Ethernet cable, Getting Started Guide, CD with multilanguage user manuals, and soft carrying case
NT	NetTool 10/100 – includes 10/100 Mbps single-ended testing, NetTool Blaster PC software, NetTool Cable Identifier and soft carrying case
GLD-NT	1-year of Gold Support - NetTool
Options	
NT-PRO-OPT	Upgrade from NT to NT-PRO
NTS2-MONAUTH-OPT	Add monitoring and authentication capabilities to NTS2-PRO or NTS2-VOIP
NT-VOIP-OPT	Upgrade from NT-PRO to NT-VOIP
NTS2-VOIP-OPT	Upgrade from NTS2-PRO to NTS2-VOIP
Accessories	
NT-AC-ADAPT	NetTool AC power adapter for NT 10/100
NT-Holster	Holster for NT 10/100
NT-BATT-CHG	NiMH battery charger for NT 10/100 and LinkRunner Network Multimeter
BATT-AA-NIMH	Rechargable NiMH battery set (4) for all NT models and LinkRunner Network Multimeter
DTX-ACUN	AC universal adapter for DTX, NTS2, ES, ES2
NTS2-POWERPACK	AC adapter and NiMH battery set for NT Series II



LinkRunner™ Pro and Duo Network Multimeters

LinkRunner Pro and Duo Network Multimeters empower technicians to resolve a broader range of today's connectivity problems. Unlike traditional 10/100 link testers, LinkRunner Pro and Duo verify Gigabit links – increasingly import for today's high-performance networks. They also ping up to 10 key devices, detect Power over Ethernet (PoE), resolve 802.1X security conflicts, verifies cable wiremap, and identifies the nearest switch port with Cisco, Extreme, and IEEE Link Layer Discovery Protocols (CDP/EDP/LLDP). Built-in IntelliTone digital toning precisely locates cables at patch panels and switches. Link status reports can be uploaded from USB port and routed with trouble tickets to expedite problem resolution.



- Choose LinkRunner Pro for 10/100/Gig copper or LinkRunner Duo for 10/100/Gig copper and just add an SFP for 100/Gig fiber
- 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 (LinkRunner Duo supports up to 2k certificates. LinkRunner Pro supports up to 1k certificates.)
- Detect PoE service – verify voltage level and pairs to IEEE 802.3af specifications
- Identify switch port – supports Cisco, Extreme, and IEEE Link Layer Discovery Protocols
- Test cable wiremap – measure length, detect miswires, shorts, split pairs or opens
- Locate and ID cable – use IntelliTone or optional IDs to locate cables at patch panels
- Document results – upload link status reports with USB port for faster problem resolution

Model	Description
LRDUO	LinkRunner Duo Network Multimeter – includes LinkRunner Duo, Wireview Cable ID #1, LinkRunner Connect Software CD, USB cable, RJ-45 coupler, LinkRunner Duo getting started guide, four (4) AA alkaline batteries
LRPRO-1000	LinkRunner Pro Network Multimeter – includes LinkRunner Pro, WireView Cable ID #1, LinkRunner Connect software CD, USB cable, LinkRunner Pro Getting Started Guide (English, Spanish, French, German, Japanese, Simplified Chinese), four (4) AA alkaline batteries
LRPRO-REFLCT	LinkRunner Pro with Reflector option
LINKRUNNER	LinkRunner Network Multimeter 10/100 Mbps
GLD-LR	1-year of Gold Support – LinkRunner
Kits	
CIQ-GSV	CableIQ Gigabit Service Kit – includes CableIQ Qualification Tester, LinkRunner Pro Network Mulimeter, IntelliTone Pro 200 Probe, CableIQ Remote Identifiers #1-7, WireView Cable ID #1 and CableIQ Reporter Software CD
LRPRO-KIT	LinkRunner Pro Extended Test Kit – includes LinkRunner Pro, IntelliTone Pro 200 Probe, WireView Cable IDs #1-6, clip-set RJ-45 to eight alligator clip bare wire adapter and LinkRunner Connect software CD
LRDUO-FTK	LinkRunner Duo copper/fiber network troubleshooting kit – includes LinkRunner DUO and a Simplifiber Pro multimode fiber verification kit
Options	
LRPRO-Reflct-opt	Reflector option for LinkRunner Pro
Accessories	
MS-SX	SX Gig Fiber DMM SFP transceiver (required for fiber testing)
MS-LX	LX Gig Fiber DMM SFP transceiver (required for fiber testing)
ES2-ZX	ZX Gig Fiber DMM SFP transceiver (required for fiber testing)
LRPRO-LION	Lithium-Ion battery pack for LinkRunner Pro with AC adapter

Monitoring, Analysis and Troubleshooting

Get the complete picture for monitoring, analyzing and troubleshooting networks and applications



Managing today's networks requires a range of visibility – from overall network health, to end-user experience, to in-depth "on-the-wire" analysis. Performance needs to be monitored and root causes pinpointed for key devices, links and applications anywhere on the network.

To do this with confidence, you need a complete picture of what's happening on your network. Fluke Networks family of analyzers delivers the breadth of visibility and depth of analysis you need for monitoring, analyzing and troubleshooting networks and applications.





OptiView® Management Appliance with Reporter

Proactive monitoring and "on-the-wire" analysis from a dedicated appliance

OptiView Management Appliance is purpose-built to pro actively test and monitor network and application performance. Test information is automatically imported into OptiView Reporter for 24x7 monitoring, trending, and event notification, with easy access via customizable web reports. When used together, this solution provides the tools needed for daily management, and the detailed information and quick visibility that you need to detect and resolve network and application problems smarter and faster. When problems occur locally or at remote sites, the guesswork is eliminated; you know what's out there, what it's doing, and how it all interconnects. With a simple click, you can immediately access remote OptiView Appliances for real-time analysis and troubleshooting.

Proactive monitoring and "on the wire" analysis from a dedicated appliance provides:

- Daily proactive management – monitor key devices and applications for performance, not just availability
- Easy identification and alarms/notifications on the top issues in the network
- Web-based reporting – provides daily reports to "prove it's not the network" more easily
- "On-the-wire" visibility – integrates network management functions in a purpose-built appliance with real-time traffic analysis and line-rate packet capture for detailed application analysis that you can't get from an NMS

Model	Description
OPVS3-OMA/GIG/SP	OptiView Management Appliance
Options	
OPVS3-IPV6	OptiView IPv6 Analysis Option
OPV-RPTR/PRO	OptiView Reporter Pro (40 Devices)
OPV-RPTR	OptiView Reporter (1 Device)
Accessories	
OPV-TCASE	Hard shell transit case
OPV-RMK	Rack Mount Kit for one or two management appliances

OptiView Gold Support

Model	Description
GLD-OPV-FT	1-year of Gold Support – OPV FT
GLD-OPVS3	1-year of Gold Support – OptiView Series III
GLD-OPVS3/PSVS	1-year of Gold Support – OptiView Series III/PSVS
GLD-OPVS3-WGA	1-year of Gold Support – OPVS3-WGA
GLD-OPVS3-WGA/6	1-year of Gold Support – OPVS3-WGA/6
GLD-OPVS3-WGA/DSVS	1-year of Gold Support – OPVS3-WGA/DSVS



OptiView® Portable Network Analyzer

The OptiView Portable Analyzer provides wired or wireless analysis anywhere in the network, allowing the user to monitor and capture the end-user experience "on-the-wire". It is a portable network management tool designed to help network professionals in their daily tasks. The OptiView Network Analyzer is like having a "virtual network engineer" with its advanced network analysis features, built-in expert advice and all-in-one capability for troubleshooting, monitoring, trending and alerting – you can manage the core, remote sites or critical network points with a single tool.



- Troubleshoot network and application performance problems
- Ensure network uptime and infrastructure availability
- Manage daily operations
- Ensure compliance with regulations and standards
- Provide management with accurate reporting and documentation

Model	Description
OPVS3-GIG	OptiView Series III Portable Network Analyzer Pro Gigabit. All OPVS3 mainframes include: VLAN, ITO, and WAN options
OPVS3-GIG/W	OptiView Series III Portable Network Analyzer Pro Gigabit – includes OPVS3-WFA OptiView AirMagnet Wi-Fi analysis option 802.11 a/b/g/n
OPVS3-GIG/S	OptiView Series III Portable Network Analyzer Pro Gigabit with CSN/CSA-100 ClearSight Analyzer Software and OPVS3-WFA OptiView AirMagnet Wi-Fi analysis option 802.11 a/b/g/n
OPVS3-GIG/RHD	OptiView Series III Portable Network Analyzer Pro Gigabit with removable hard drive and OPVS3-IPV6 analysis option
Options	
OPVS3-IPV6	OptiView IPv6 Analysis Option
OPV-RPTR/PRO	OptiView Reporter Pro (40 Devices)
OPV-RPTR	OptiView Reporter (1 Device)
OPVS3-WSP	OptiView AirMagnet Survey PRO & Planner Suite (Replaces InterpretAir)
OPVS3-WSPI	OptiView Wireless Suite – includes AirMagnet Survey PRO, AirMagnet Planner Module, and AnalyzeAir Wi-Fi Spectrum Analyzer (Replaces IA-AA)
OPVS3-WL	OptiView WLAN Suite – includes AirMagnet Survey PRO, AirMagnet Planner Module, AnalyzeAir Wi-Fi Spectrum Analyzer, and OptiView 802.11 a/b/g/n Wireless Network Analysis Option (Replaces OPVS3-WLESS)







ClearSight™ Analyzer

Application-centric analysis software that gives quick answers to application performance problems without looking at packets.

ClearSight Analyzer (CSA) is a powerful network monitoring and application analysis solution. CSA provides deep network insight and visibility required for today's complex and multi-protocol networks. CSA's intuitive and easy-to-use interface provides a comprehensive view of the network plus the ability to drill down to lower layers of the network stack. Its real-time protocol analysis capabilities make it a powerful monitoring and troubleshooting tool. With support of third-party decode engines, such as Wireshark, CSA can decode about 1,000 protocols. It operates with most NDIS-compatible Network Interface Cards (NICs) supporting line speeds up to 1 Gbps.

- Application-centric summary view displays the health of the most commonly used applications, giving you an instant view of performance
- Real-time monitoring provides 7-layer statistics and automatic problem/issue identification
- Multi-segment analysis provides quick visibility on how applications progress through up to 4 segments of the network without the need to look at decodes - speeding root cause diagnosis of application problems
- Reconstruction and playback of application content such as audio/video, web pages and email from real-time traffic or trace files
- Seamlessly integrate 3rd party decode engines, such as Wireshark for customized decode views

Model	Description
CSN/CSA-1000	ClearSight Analyzer Software
CSN/CSA-1000CD	ClearSight Analyzer Software on CD
CSN/CSA-1045	CSA W/IP Multicast/History Rprt/Packet Gen
CSN/CSA-1045CD	CSA W/IP Multicast/History Rprt/Packet Gen on CD
CSN/OPT-3045	IP Multicast Visualization, Hist Reporter, and Packet Gen for CSA





Network Time Machine™

High-performance critical link analysis, storage for data forensics and back-in-time troubleshooting with application-centric analysis.



Network Time Machine's multiple monitor ports interface with multiple critical 1/10G links for traffic monitoring. Stream-to-disk technology records all packets for extended periods. Built-in deep packet inspection and analysis provides the ability to monitor enterprise network performance. The Atlas option can quickly analyze large amounts of captured traffic through a special indexing mechanism. All analysis and packet decodes are done on board without needing to pull data across the network – saving valuable bandwidth even when up to 4 remote users are analyzing data.

- Capture traffic through multiple ports on 10/100/1000 Mbps and 10 Gbps Ethernet interfaces at up to full line rate
- High performance stream-to-disk hardware captures, stores, archives and recalls up to 60 TBs of live traffic
- Multiple hardware platforms – from portable to rack mounted – suit different deployment needs
- Atlas Option facilitates the mining of application, network and data link data by drilling down from areas of interest in order to view related trending charts, flow data, and packet data
- Best-in-class real-time Video/VoIP metrics and troubleshooting for enterprise networks. Integrated with ClearSight Analyzer for content playback, deep packet analysis and decodes

Model	Description
CSN/NTM-EX3	Network Time Machine Express, four 1GB SFP interfaces, 1 TB storage
CSN/NTM-ST3-4TB	Network Time Machine Standard3, four 1GB SFP interfaces, 4 TB storage, SATA RAID 0
CSN/NTM-ST3-8TB	Network Time Machine Standard3, four 1GB SFP interfaces, 8 TB storage, SATA RAID 0
CSN/NTM-ST3-8TB-FUG	Network Time Machine Standard3, 8 TB SATA RAID 0 (field upgrade)
CSN/NTM-ST3-EA	Network Time Machine Standard3, four 1GB SFP interfaces, 20 TB storage, SATA RAID 5
CSN/NTM-ST3-EA-UGD	Additional Network Time Machine Standard external storage array, 20 TB SATA RAID 5 (factory installed)
CSN/NTM-ST3-EA-FUG	Additional Network Time Machine Standard external storage array, 20 TB SATA RAID 5 (field upgrade)
CSN/NTM-PR3-S5	Network Time Machine Premium3, two 10GB XFP interfaces, 6.1 TB storage SAS RAID 5
CSN/NTM-PR3-S5-UGD	Additional Network Time Machine Premium3 external storage array, 6.1 TB SAS RAID 5 (factory installed)
CSN/NTM-PR3-S5-FUG	Additional Network Time Machine Premium3 external storage array, 6.1 TB SAS RAID 5 (field upgrade)
CSN/NTM-PO1-1G	Network Time Machine Portable1, four 1GB SFP interfaces, 1.2 TB storage
CSN/NTM-PO2-1G	Network Time Machine Portable2, four 1GB SFP interfaces, 1.7 TB storage
CSN/NTM-PO2-10G	Network Time Machine Portable2, two 10GB XFP interfaces, 1.7 TB storage
Options	
CSN/NTM-ATLAS	Network Time Machine Atlas Software Module
CSN/NTM-REMSW-CD	Network Time Machine Remote Viewer License for NTM Portable with CD
CSN/ACC-9022	10G Singlemode XFP, quantity 2
CSN/ACC-9032	10G Multimode XFP, quantity 2
CSN/ACC-9050	1G Singlemode SFP Transciever Kit,, quantity 2
CSN/ACC-9051	1G Multimode SFP Transceiver Kit., quantity 2
CSN/ACC-9055	1G Singlemode SFP Transciever Kit, quantity 2
FTAP-9-50	10/100/1000BASET SFP, copper, quantity 2



Tap Solutions

Taps provide reliable and secure access to network traffic without compromising network performance. Featuring industry-leading innovation and unsurpassed quality, our Tap solutions are suitable for numerous IT groups including network operations, network engineering, information security, quality assurance, web analytics and application analysis. Taps are available in numerous configurations to support all network access strategies and objectives. These configurations include inline taps (copper and fiber), inline aggregation taps (non-filter and filtering), span taps (non-filter, filtering and switching), and combination inline/span taps (single and dual link)

- Copy traffic running through a network and sends that traffic to analyzers and probes
- Found in large data networks in virtually every industry vertical
- Provide permanent ports for network, application and security analysis solutions
- Improve the performance of network, application and security solutions
- Decrease the MTTR thru faster resolution of network, application and security issues
- Increase the ROI of traffic analyzers and probes
- Decrease the reliance on switch and router resources for network traffic visibility
- Are remarkably reliable

Models	Description
TAP-100	Inline copper tap 10/100
TAP-10/100/1000	Inline copper tap 10/100/Gig
FTAP-50-50-10G	Inline fiber tap, 50 multimode, 10 Gig
FTAP-9-50-10G	Inline fiber tap, singlemode, 10 Gig
ATAP-100	Inline copper aggregating tap 10/100
AXTAP1204BT-BT	Inline/SPAN copper aggregating tap with 2 any-to-any ports (2 BT)
AXTAP1204BT-SFP	Inline/SPAN copper aggregating tap with 2 any-to-any ports (2 SFP)
AXTAP1210BT-BT/SFP	Inline/SPAN copper aggregating tap and 8 any-to-any ports (6 BT & 2 SFP)
AXTAP2206BT-BT	Dual link inline/SPAN copper aggregating tap with 2 any-to-any ports (2 BT)
AXTAP2210BT-BT/SFP	Dual link inline/SPAN copper aggregating tap with 6 any-to-any ports (4 BT & 2 SFP)
AXSTAP-4SFP	SPAN aggregation tap with 4 any-to-any ports (4SFP)
AXSTAP-10SFP	SPAN aggregation tap with 10 any-to-any ports (10SFP)

Other models available for different media, higher speeds, number of ports, and need for filtering.

Accessories	
TAP-RMK-2	1U, 2Bay rack mount kit
TAP-RMK-3	1U, 3Bay rack mount kit
TAP-RMK-14	4U, 14Bay rack mount kit
MS-SX	SX Gigabit fiber SFP transceiver
MS-LX	LX Gigabit fiber SFP transceiver
SFP-RJ45	10/100/Gig copper SFP transceiver



AirMagnet Survey

AirMagnet Survey is the most accurate mobile WLAN design and deployment solution for 802.11a/b/g/n indoor and outdoor wireless networks. It automatically gathers critical Wi-Fi and RF spectrum information, using multiple data collection methods, and generates detailed Wi-Fi performance maps of the results for easy network deployment, capacity planning and optimization of wireless LANs.

- 802.11a/b/g/n and 4.9 GHz site surveying of indoor and outdoor networks
- Industry's only active and Iperf surveying capability for real-world true "uplink/downlink performance management"
- Determine ideal quantity, placement and configuration of APs for optimal security, performance and compliance

Model	Version	Description
A4018, A4016, A4015, B4010	7.2	Mobile survey solution for designing and optimizing wireless networks
GLD-AM-WSP		1-year of Gold Support – OptiView AirMagnet Survey Pro and Planner Suite



AirMagnet Planner

AirMagnet Planner takes the guesswork out of WLAN design and installation, making it easy for network professionals to accurately plan and deploy 802.11-based wireless networks in any indoor environment. It accounts for building materials, obstructions, access point configurations, antenna patterns, and a host of other variables to provide a reliable predictive map of Wi-Fi signal and performance.

- Plan and design 802.11a/b/g/n indoor WLAN networks
- Predictive modeling to determine ideal quantity, placement and configuration of APs for optimal security, performance and compliance
- Model building construction materials/obstructions and 802.11 APs

Model	Version	Description
A4012	7.2	Mobile software tool for wireless network planning
GLD-AM-WSP		1-year of Gold Support – OptiView AirMagnet Survey Pro and Planner Suite



AirMagnet WiFi Analyzer

AirMagnet WiFi Analyzer is the most popular mobile field tool for troubleshooting enterprise Wi-Fi networks. AirMagnet WiFi Analyzer allows IT staff to quickly resolve performance problems, while automatically detecting security threats and other network vulnerabilities. It has many of the feature-rich qualities of a dedicated, policy-driven Wi-Fi network monitoring system in a mobile tool.

- 802.11a/b/g/n and 4.9 GHz monitoring, management and troubleshooting
- Thorough inventory details for every detected Wi-Fi device
- Classify and physically locate unauthorized (rogue) devices or any policy violator

Model	Version	Description
A1150, A1173, B1170	8.7	Mobile software tool for wireless network security, analysis and troubleshooting
GLD-AM-WFA		1-year of Gold Support – OptiView AirMagnet Wi-Fi analyzer



AirMagnet Spectrum XT

AirMagnet Spectrum XT is a professional spectrum analyzer solution that combines in-depth RF analysis with real-time WLAN information for quicker and more accurate troubleshooting of performance problems. This combined view of "impact analysis" of RF interference on the network's overall performance helps pinpoint the root-cause of those problems.

- Visualize impact of RF interference on WLAN performance
- Automatically detect and identify WLAN and non-WLAN interference sources
- Physically locate RF interference sources

AirMedic™ USB

For entry-level users, AirMedic(tm) USB offers an affordable USB-based spectrum analysis tool for RF interference analysis and Wi-Fi troubleshooting. AirMedic USB is a fast and simple, "just the facts" approach to dealing with the periodic performance and reliability problems that all wireless LANs experience.

Model	Version	Description
B4070	1.0.2	Professional spectrum analysis in USB form factor
B4720	1.0.1	AirMedic™ USB - entry-level spectrum analysis in USB form factor



AirMagnet VoFi Analyzer

AirMagnet VoFi Analyzer is the industry's only solution built for troubleshooting VoWLAN issues. It addresses all aspects of wireless voice and diagnoses problems rooted within the end-user's phone, QoS, RF, WLAN, and even wired network problems associated with voice over Wi-Fi. AirMagnet VoFi Analyzer integrates with AirMagnet Survey software to additionally validate and optimize phone call quality.

- Detect any 802.11a/b/g voice-over-WLAN call
- Full call quality analysis of encrypted wireless voice traffic
- Automatically diagnose and troubleshoot over 60 types of wireless voice call problems

Model	Version	Description
A2200, A2210	4.0	Mobile software tool for voice-over-wreless analysis and troubleshooting

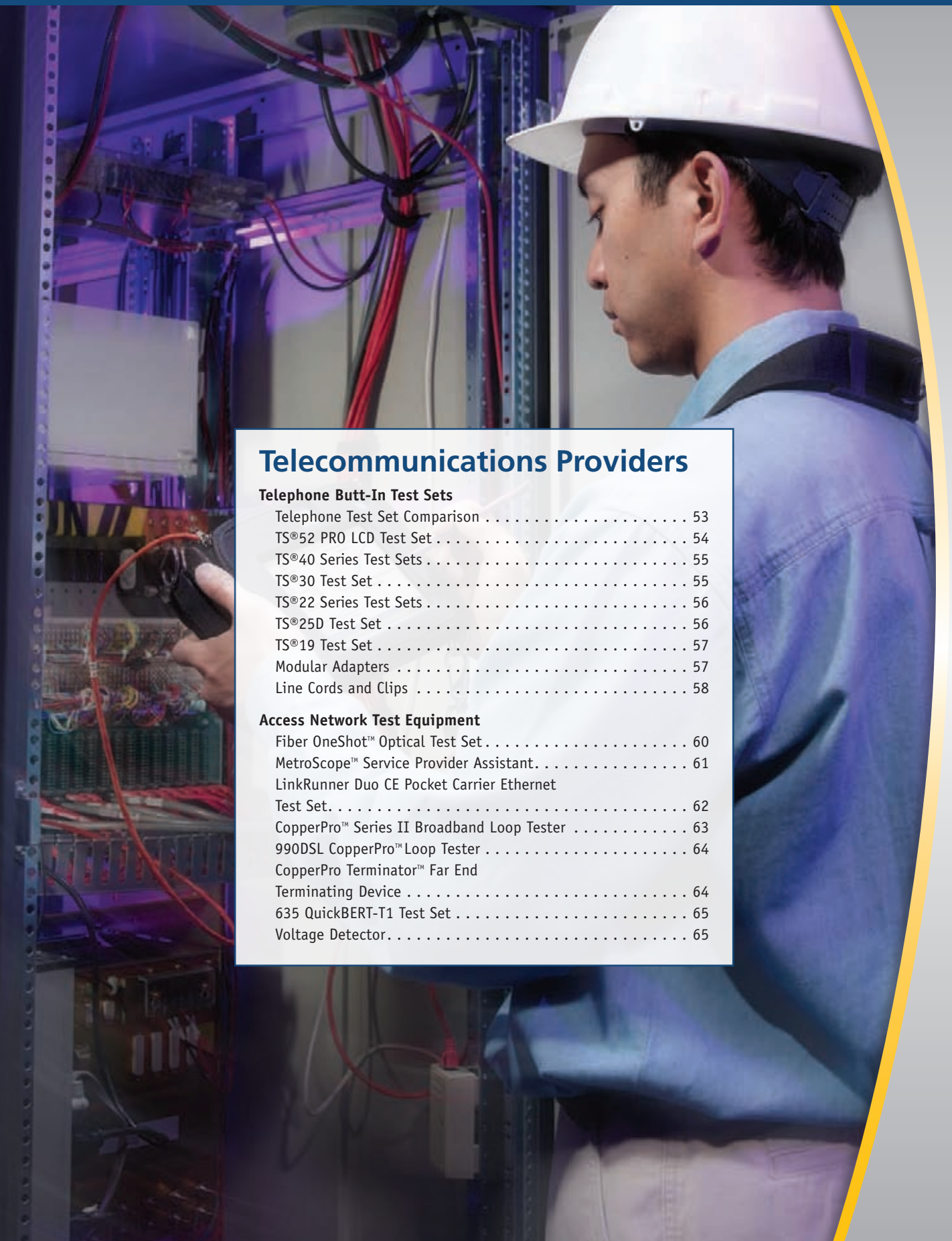


AirMagnet Enterprise

AirMagnet Enterprise is a full-time wireless IDS/IPS and WLAN monitoring system that provides complete protection for all of a business's wireless assets worldwide. The solution can automatically detect hundreds of threats, block and prevent attacks, trace and locate problems, capture event forensics, troubleshoot performance problems remotely and document and enforce compliance with internal and regulatory policies.

- Continuous monitoring of the entire wireless airspace
- Automatic detection and remediation of all wireless threats
- Trace, locate, map and capture forensics for any WLAN or RF event

Model	Version	Description
A5505, A5506, A5585, A5586, A5588, A5590	8.5.5	24x7 wireless intrusion prevention, performance monitoring and remote troubleshooting



Telecommunications Providers

Telephone Butt-In Test Sets

Telephone Test Set Comparison 53
TS®52 PRO LCD Test Set 54
TS®40 Series Test Sets 55
TS®30 Test Set 55
TS®22 Series Test Sets 56
TS®25D Test Set 56
TS®19 Test Set 57
Modular Adapters 57
Line Cords and Clips 58

Access Network Test Equipment

Fiber OneShot™ Optical Test Set 60
MetroScope™ Service Provider Assistant 61
LinkRunner Duo CE Pocket Carrier Ethernet Test Set 62
CopperPro™ Series II Broadband Loop Tester 63
990DSL CopperPro™ Loop Tester 64
CopperPro Terminator™ Far End Terminating Device 64
635 QuickBERT-T1 Test Set 65
Voltage Detector 65

Telephone Butt-In Test Sets

Complete line of analog butt-in telephone test sets provides the view you need to ensure telecommunications services



Fluke Networks offers the most comprehensive line of telephone test sets to meet the voice and data demands of telecommunications technicians. Our DropSafe™ reliability and RainSafe™ protection ensure maximum ruggedness, even in the most extreme conditions. Our DataSafe™ technology is vital in preventing interruption of existing data traffic, and our DSL/POTS filtering technology goes one step further to allow testing on the POTS side of a line even while data is present.

We continually improve our line of butt-in test sets to ensure technicians have the right features to match their application needs – with the most flexible options for every budget.

Telephone Test Set Comparison



	TS®52 PRO	TS®44 PRO	TS®42DLX	TS®22A	TS®22	TS®25D	TS®30 / TS®120*	TS®19
Display – back lit LCD and glow-in-the-the dark keypad	✓					LCD only		
Extended range high-impedance DataSafe operation in monitor mode	✓	✓	✓			✓		
High-impedance DataSafe operation in monitor mode	✓	✓	✓	✓		✓	✓	✓
Data lockout protection	✓	✓				✓		
Data lockout override	✓	✓				✓		
DSL/POTS filtering technology	✓	✓	✓			✓		
Low/high voltage indication	✓	✓	✓			✓		
Low current (mA) indication	✓	✓	✓			✓		
Over voltage protection	✓	✓	✓	✓	✓	✓	✓	
Over current protection	✓	✓	✓	✓	✓	✓	✓	
Two-way speakerphone for true hands-free conversations	✓	✓	✓	✓				
One-way amplified speaker for hands-free monitoring	✓	✓	✓	✓	✓	✓		
Audible ringer for callbacks	✓	✓	✓	✓	✓	✓	✓	✓
Waterproof – exceeds American Military Spec. MIL-STD-810E	✓	✓	✓					
RainSafe – safe in severe weather conditions	✓	✓	✓	✓	✓		✓	
DropSafe – passes 20 foot (6 meter) drop test onto concrete	✓	✓	✓	✓	✓		✓	
Meets Bellcore specifications	✓	✓	✓	✓	✓		✓	
Tone and pulse operation	✓	✓	✓	✓	✓	✓	✓	✓
Polarity indication in talk mode	✓	✓	✓	✓	✓	✓	✓	✓
PBX pause button	✓	✓	✓	✓	✓	✓		
Stores nine 18-digit numbers in repertory dialer (speed dialing)	✓	✓	✓	✓	✓	✓		
Replaceable 9V battery for powering speaker	✓	✓	✓	✓	✓	✓		

* TS120 for outside North America only. 67/33 break/make ratio.



TS®52 PRO LCD Test Set

Fluke Networks new TS®52 PRO Test Set features the latest in test set technology. Designed with a superior, radiant liquid crystal display (LCD) user interface, it allows you to see what cannot be heard in any outside plant environment. The back lit LCD and phosphorescent (glow-in-the-dark) keypad brings light to even the darkest of work environments, providing perfect line diagnostic clarity. The TS®52 PRO Test Set is also equipped with 2-way speakerphone and DataSafe™ Pro data protection technology featuring superior high-impedance monitoring, data lockout and lockout override, making you completely safe.



- **Display** – back lit LCD and glow-in-the-the dark keypad
- **DataSafe™ Pro** – superior high-impedance monitoring, lockout and override, making you completely safe in any mode
- **DropSafe™/RainSafe™** – passes 20-foot drop test and designed for use in rainy conditions
- **DSL/POTS filtering technology** – allows technicians to clip on a live DSL line to test POTS service without downing or disrupting data service
- **Two-way, hands-free speakerphone** – for true hands-free conversation
- **Test Functions:**
  - Data indication: warns when data is present.
  - Voltage indication: troubleshooting feature to identify potential line problems
  - Current (mA) indication: verifies sufficient line current
  - Caller-ID: verifies service is functional
  - DTMF digit grabbing: isolate faulty customer premise equipment

Model	Description
52801001	TS52 PRO test set with piercing pin clips
52801004	TS52 PRO test set with 346A plug
52801009	TS52 PRO test set with ABN/PP clips
52801RJ9	TS52 PRO test set with ABN/PP and RJ-11 plug

Telephone/Data Room or Central Office



Cross Box or Serving Terminal



Inside or Outside the Customer Premise





TS®40 Series Test Sets

Built for the demanding professional, the TS40 Series test sets combine an ergonomic waterproof design, DropSafe™ durability and a standard 3-year warranty for unmatched reliability. The TS40 Series test sets offer speakerphone capability for true hands-free conversations, a rugged ergonomically designed waterproof case that exceeds American Military Specification MIL-STD-810E and are DropSafe tested to 20 feet onto concrete. Designed with superior high-impedance monitor to protect data lines, the TS40 Series offers the best DataSafe™ protection in its class. Advanced testing functions for low/high voltage and low (mA) current detection are displayed in easy-to-read LEDs. Always-on monitor mode simplifies operation and speeds testing; just clip on to the pair and it is monitoring.



- DataSafe operation with superior high impedance monitor
- Advanced testing functions for low/high voltage and low (mA) current
- Always-on Monitor Mode
- Ergonomic DropSafe case
- High fidelity, 2-way speakerphone for true hands-free conversations.
- TS®44 PRO includes Data Lockout, Lockout Override and DSL/POTS filtering

Model	Description
50801001	TS44 PRO test set with piercing pin clips
50801004	TS44 PRO test set with 346A plug
50801009	TS44 PRO test set with ABN/PP
50801RJ9	TS44 PRO test set with ABN/PP and RJ-11 plug
42801001	TS42 DLX test set with piercing pin clips
42801004	TS42 DLX test set with 346A plug
42801009	TS42 DLX test set with ABN



TS®30 Test Set

The TS30 test set features the latest in test set case design, at an affordable price. The ergonomic non-slip grip handle provides improved handling of the set in all weather conditions. Includes DataSafe™ operation so technicians can clip onto a line in monitor mode, without disrupting existing data traffic.

- High impedance DataSafe operation in monitor mode
- DropSafe™ reliability passes 20-foot drop test
- RainSafe™ protection in severe weather conditions
- Mute switch
- Last number redial

Model	Description
30800009	TS30 test set with ABN
30800001	TS30 test set with piercing pin clips



TS®22 Series Test Sets

The TS22 Series test sets' unique built-in, one-way amplified speaker provides three audio levels for hands-free listening and use with automated voice response systems. Multiple memories enable storage of nine 18-digit telephone numbers in repertory dialer (speed dialing) for easy access to test boards, the central office and other frequently called numbers. The last number redial feature eliminates the need to re-key your last entry. The TS22 test set offers an unbeatable combination of reliability, durability and expanded utility.

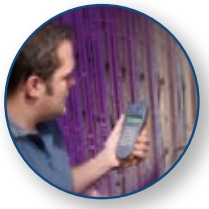
- TS22 test set has an amplified speaker for hands-free monitoring
- TS22A test set has a two-way speakerphone for true hands-free conversation
- DropSafe™ reliability passes 20-foot drop test
- RainSafe™ protection in severe weather conditions
- Stores nine 18-digit numbers in repertory dialer (speed dialing)

Model	Description
22801009	TS22A test set with ABN
22801007	TS22A test set with ground start cord
22801004	TS22A test set with 346A plug
22801001	TS22A test set with piercing pin clips
22800009	TS22 test set with ABN
22800007	TS22 test set with ground start cord
22800004	TS22 test set with 346A plug
22800001	TS22 test set with piercing pin clips



TS®25D LCD Test Set

The TS25D test set features data lockout and lockout override, making you completely safe in talk or monitor mode. The DSL/POTS filtering technology allows you to safely draw dial tone without downing DSL. A built-in analog tone generator simplifies wire identification with a probe. An amplified speaker makes monitoring the line hands-free, so you can keep working. The Talk Battery function provides voltage to carry voice conversation on non-powered pairs. Also includes Caller-ID and Call-waiting Caller-ID functions. All in a compact unit with an oversized, robust liquid crystal display (LCD) that makes the intuitive, common-sense menus easy-to-read and use.



- Caller-ID and Call-waiting Caller-ID
- Amplified speakers for hands-free monitoring
- Data lockout and data lockout override
- Tone generator for wire identification
- Talk battery to power voice conversation on dry (non-powered) lines

Model	Description
25501109	TS25D test set with ABN kit (includes pouch and earpiece)
25501009	TS25D test set with ABN
25501004	TS25D test set with 346A plug
25500400	TS25D pouch only
25500300	TS25D battery door with belt clip



TS®19 Test Set

The TS19 test set combines all the essential test set features at an affordable price. This test set was specifically designed for in-house telecom technicians. Its high impedance monitor prevents accidental disruption of service from clipping onto a data line while in Monitor Mode, thus ensuring the integrity of critical data lines. Features such as tone (DTMF) or pulse operation, talk/monitor capabilities, polarity test button and last number redial make this test set the perfect combination of features and price.

- High impedance DataSafe™ operation in monitor mode
- Tone (DTMF) and pulse operation
- Last number redial
- Polarity indication in talk mode

Model	Description
19800009	TS19 test set with ABN
19800003	TS19 test set with banana jacks to alligator clips



In-line Modular Adapter (4, 6, and 8-wire)

In-line banjo modular adapters permit testing on working lines without disrupting service. Quickly determine whether the trouble is in the phone or in the line.

- Easily complete testing and obtain circuit access on working lines without disrupting service
- Clear circuit markings on the sides and bottom of the unit
- Test line status with the 4-wire modular adapter

Spare Modular Adapter Cords (standard and K-plugs)

In-line banjo modular adapters feature replaceable adapter cords which enable broken jack clips to be replaced without discarding the entire unit. K-plug versions have rugged jack clips.

Model	Description
10210100	4-wire in-line modular adapter
10210101	4-wire in-line modular adapter with K-plug
10220100	6-wire in-line modular adapter
10220101	6-wire in-line modular adapter with K-plug
10230100	8-wire in-line modular adapter
10230101	8-wire in-line modular adapter with K-plug



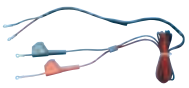
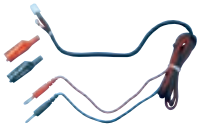
4-wire Standard Modular Adapter

Test line status with the 4-wire modular adapter. Provide a quick connect to modular telephone jacks using any standard butt-in test set equipped with spring clips.

- Easily complete testing and obtain circuit access on working lines without disrupting service
- Clear circuit markings on the sides and bottom of the unit
- Test line status with the 4-wire modular adapter

Model	Description
10113000	4-wire modular adapter

Line Cords and Clips

					
P4480009	P4480001	P4480004	P4480RJ9	P3218024	P3218028
Line cord with Angled Bed-of-Nails Clips Compatible with 52 & 40 Series	Line cord with Angled Piercing Pin Clips Compatible with 52 & 40 Series	Line cord with 346A plug (Central Office) Compatible with 52 & 40 Series	Line cord with Bed-of-Nails and RJ-11 plug Compatible with 52 & 40 Series	Line cord with Straight Bed-of-Nails Clips Compatible with 20 Series	Line cord with Angled Piercing Pin Clips Compatible with 20 Series
					
P3218231	P3218232	P3218234	P3080009	P1980001	P1980003
Line cord with Boots, no Clips Compatible with 20 Series	Line cord with 346A Plug (Central Office) Compatible with 20 Series	Line cord with Angled Bed-of-Nails Clips Compatible with 20 Series	Line cord with Angled Bed-of-Nails Clips Compatible with 30 Series	Line cord with Angled Piercing Pin Clips Compatible with 19 Series	Line cord with Banana Jacks and Alligator Clips Compatible with 19 Series
					
P1980007	P1980009	P3218124	P3218RJ9	P3218442	P2280062
Line cord with Ground Start cord Compatible with 19 Series	Line cord with Angled Bed-of-Nails Clips Compatible with 19 Series	Line cord 471 A Plug with RJ-11 Plug Compatible with all, requires 346A Plug cord	Line cord with Angled Bed-of-Nails Clips and RJ-11 plug Compatible with the TS20 Series	Line cord 471A Plug with Angled Piercing Pin Clips Compatible with all, requires 346A Plug cord	Ground start cord Component for P1980007
				Line cord boot only P3218-418 Black Boots (Pkg. 10) P3218-420 Red Boots (Pkg. 10)	
P3218202	P4080248	P4080249	P3218249		
Angled Bed-of-Nails, Pkg. 1 each Compatible with all	Standard locking belt clip Compatible with 52 & 40 series	Belt clip Compatible with 52 & 40 series	Belt clip Compatible with 19, 20, 30 series		

Access Network Test Equipment

Complete line of access network test sets for the successful installation and troubleshooting of carrier Ethernet, xDSL and special services



Effective installation and maintenance solutions are essential to keep customers happy and technicians productive. Award-winning field test products from Fluke Networks earned their reputation where it matters most: on the job.

We offer test and troubleshooting solutions that address a wide range of technologies and applications, from POTS to carrier Ethernet, xDSL to IP, and more. Whether it's validating service level agreements (SLAs) for carrier-class Ethernet services, qualifying and deploying ADSL2/2+ or VDSL services, isolating cable faults, eliminating noise problems, or stress testing circuits prior to service installation, Fluke Networks powerful tools help technicians get to the solution fast.





Fiber OneShot™ Optical Test Set

Fiber OneShot is a pocket-sized optical test set designed to take the complexity out of single-mode fiber testing. Fiber OneShot's one-button-test capability will quickly and accurately verify if a fiber is active and find the distance to a break or end, dirty end face or reflective event – going from zero to 9,999 feet (0 - 6,000 meters displayed in metric mode). This portable FTTx tester is designed to increase productivity and decrease training time. The Fiber OneShot allows testing anywhere in the network – central office, node, hub, drop or optical network terminal (ONT) – and is fast, affordable, lightweight and accurate.

The Fiber OneShot is built to last. The Fiber OneShot incorporates an energy-absorbing holster over an impact-resistant case to withstand drops, impacts, and the tough outside plant environment ensuring years of trouble-free operation. Together with a heavy-duty tethered end cap to protect the fiber adapter the Fiber OneShot is the test set for demanding field applications.

Testing benefits increase your productivity:

- Measure the length of your fiber quickly and accurately
- New CheckActive™ feature alerts you if an optical signal is on the fiber
- Instant on – no boot/load time
- One-button testing – expedite your fiber testing with one button in just a few seconds
- Locate fiber faults at one meter
- Test results displayed numerically – no interpretation needed

Model	Description
FIBR-1-KIT	Fiber OneShot™ Optical Test Set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22 language-QRC on CD, manual and batteries
FIBR-1-SHOT	Fiber OneShot™ Optical Test Set, SC adapter, holster, 22 language-QRC on CD, manual and batteries
FIBR-1-KIT-VF	Fiber OneShot™ Optical Test Set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22-QRC on CD, manual, batteries + VisiFault™ Visual Fault Locator with 2.5mm universal adapter
FIBR-1-KIT-PM	Fiber OneShot™ Optical Test Set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22-QRC on CD, manual, batteries + SimpliFiber® Pro Optical Power Meter; SC adapter included
FIBR-1-KIT-VFPM	Fiber OneShot™ Optical Test Set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22-QRC on CD, manual, batteries + VisiFault™ Visual Fault Locator with 2.5mm universal adapter + SimpliFiber® Pro Optical Power Meter; SC adapter included

Accessories

Model	Description
FIBR-AC-UAPC	1-meter UPC APC launch cord (Use with Fiber OneShot only, Not for OTDR use)
FIBR-AC-UUPC	1-meter UPC-UPC launch cord (Use with Fiber OneShot only, Not for OTDR use)
FIBR-AC-CH	Holster case, Fiber OneShot



MetroScope™ Service Provider Assistant

The new MetroScope Service Provider Assistant is the next generation in field test equipment for installing and troubleshooting carrier Ethernet services (10/100/Gig) over copper or fiber. The new ProVision™ test is the fastest, easiest, and most comprehensive way to test new circuits. Generate performance reports using ProVision, RFC 2544 or BERT tests. The unique Reflector accessory allows end-to-end testing without a second MetroScope, saving up to 40%. Fluke Networks IP expertise puts unmatched troubleshooting for wired or wireless networks behind a deceptively simple user interface. Full VGA color display with web remote control and a built-in VoIP phone.



- Low-Cost Reflector tests links using a single MetroScope
- Easy to use with large VGA color touchscreen
- VoIP Phone and Metrics
- In-depth traffic monitoring and active network discovery
- Remote control via web browser
- Application Performance Testing
- 802.11a/b/g Wireless Testing



Model	Description
MTSCOPE-KIT	MetroScope Kit – includes MetroScope mainframe with 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	MetroScope mainframe – includes 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-LT	MetroScope Mainframe without Advanced Network Analysis Features and without multi-stream capability – includes 10/100/1000BASE-T and 1000BASE-X SFP Port, AC adapter/ battery charger, remote wiremap adapter, 128MB compact-flash card, Documentation CD, carrying case
LRDUO-CE	LinkRunner™ Duo CE for Carrier Ethernet
GLD-MTSCOPE	1-year of Gold Support
Options	
MS-VOIP	VoIP Phone and Analysis for MetroScope (all models)
MS-WLAN-OPT	Fluke Networks 802.11/a/b/g PCMCIA WLAN radio card, directional antenna, instructions to activate MetroScope WLAN Option, printed English language Getting Started Guide and CD containing multi-language user manuals and other useful files
MS-MULTI-LT	Multistream option for MetroScope-LT
Accessories	
DTX-ACUN	AC charger, universal
OPVS-KB	Mini USB keyboard
944806	Null modem cable (DB9)
ES-BATTERY	Replacement battery
ES2-ZX	1000BASE-ZX Gig Fiber DDM SFP transceiver (1550nm DFP laser)
MS-SX	SX Gig Fiber DDM SFP transceiver
MS-LX	LX Gig Fiber DDM SFP transceiver
MS-100FX	100BASE-FX Fiber SFP transceiver (without DDM)
LRPRO-LION	Lithium-Ion battery pack for LinkRunner Pro with AC adapter
MS-BAG	Large carrying case for MetroScope and accessories



LinkRunner Duo CE Pocket Carrier Ethernet Test Set

If you're installing carrier Ethernet, you've been forced to choose between thorough testing with a dedicated performance test set or plugging it in and hoping for the best. Dedicated test sets allow your team to thoroughly test the links but they can be costly. And "plug and pray" can result in callbacks and extended troubleshooting sessions. Fluke Networks LinkRunner Duo CE Pocket Carrier Ethernet Test Set reduces your costs and increases customer satisfaction. It's designed to help technicians quickly turn up and troubleshoot carrier Ethernet, and, it works with your existing performance testers when you need more complete testing.



LinkRunner Duo CE Features:

- **Link Verification of Fiber and Copper Circuits at 10/100/1000MBps** – quickly determine if the circuit is up or not
- **Performance Testing with MetroScope and other Popular Test Sets** – use as a remote device for ProVision™, RFC 2544 and other performance tests with testers from Fluke Networks, JDSU, Sunrise, Exfo and more
- **Layer 1, 2, and 3 Loopback** – configurable loop back to filter frame type and swap MAC and/or IP addresses. Manual or DHCP IP configuration
- **Fiber Power Measurements** – make sure that the incoming signal meets requirements
- **PING Testing** – measure availability and response performance for key devices or URLs
- **VLAN Verification** – configurable VLAN and priority settings
- **Designed for the Field** – small (fits in a shirt pocket), lightweight (10oz), battery operated and rugged. Operates for over three hours with a removable Li-ion battery pack, four AA batteries, AC or optional car charger (optional)
- **Document Results** – save link and ping test results and upload to a PC through the USB port
- **CPE Testing** – pinpoint problems on the customer side with port identification and 802.1x testing, cable and connectivity tests. Verify port settings and troubleshoot speed and duplex mismatch issues
- **Cable Testing** – test cabling and patch cords, including support for toning
- **Media Access** – Copper: 10BASE-T, 100BASE-TX, 1000BASE-T (IEEE 802.3); Fiber (SFP): 100BASE-FX, 1000BASE-LX, SX, ZX, BX
- **Easy Upgrades** – the mini-USB port on the LinkRunner Duo CE allows software upgrades in the field in jut minutes. And with our Gold support, you'll automatically receive upgrades at no additional charge. The LinkRunner Connect software also allows you to download reports and capture screen graphics

Model	Description
LR-DUO-CE	LinkRunner Duo Carrier Ethernet Tester
GLD-LR	1-year of Gold Support – LinkRunner Duo
WIREVIEW 1	Wiremap Adapter
Wireview2-6	Wireview Cable IDs #2-6
MS-AUTO-CHG 12V	Car Charger for LinkRunner Duo
ES2-ZX	ZX DDM SFP
MS-SX	SX DDM SFP
MS-LX	LX DDM SFP





CopperPro™ Series II Broadband Loop Tester

The CopperPro Series II is the complete test set for qualifying your local loop for ADSL, ADSL2/2+, VDSL and special services. It packs all the test, analysis and troubleshooting capabilities an OSP technician needs into one integrated, handheld tool. New features include broadband noise identification for VDSL, advanced TDR capabilities for locating short bridge taps and other VDSL-affecting impairments, and an optional ADSLx and VDSL modems for verifying service connectivity and performance. Rugged construction and easy-to-use features give your technicians the ability build, repair, install, and maintain OSP systems more efficiently with fewer repeats.

- Quickly qualify the facilities for DSL services including ADSL, VDSL, HDSL, T1 and other special services
- Easily identify and locate possible problems to ensure reliable performance
- Install new services efficiently with fewer call-backs
- Verify connectivity and network performance to ensure that next-generation services perform up to your customers' expectations

Expedite Installation and Maintenance

CopperPro Series II makes fast work of installing and maintaining service. The one-button POTS Auto-Test quickly documents status before and after work is complete. The CopperPro also gives you a clear view of all the basic tests you need to ensure top performance, including:

- AC and DC voltage
- Loop current
- Circuit noise
- Balance and leakage
- Caller-ID/ANI

Plus, you can quickly run loss and slope tests with its automated dial-up testing, and use the built-in dial set with phone number storage. You can also verify xDSL connectivity, performance and capacity up to VDSL rates with optional xDSL golden modems.

Streamline Trouble Calls

Step-by-step instructions make CopperPro Series II a breeze to set up. Use the unique TDR Auto-Test to:

- Zero in on faults such as short bridge taps and shorted or open pairs
- Count and locate load coils

Model	Description
990DSL2+	CopperPro Next Gen Copper Loop Analyzer w/TDR & wideband spectral analysis for ADSL2+
990VDSL	CopperPro Next Gen Copper Loop Analyzer w/TDR & wideband spectral analysis for VDSL
990TL-SB/RF	RF Test lead set for 990DSL2+ or 990VDSL with spike+bed-of-nails piercing clips
990LT	990LT CopperPro™ Test Set – Next-generation loop analyzer (basic)
990LT/TDR	TDR option for the 990LT CopperPro™ Test Set
990LTD/DSL	DSL option (2.2 MHz) for the 990LT CopperPro™ Test Set
990LT/VDSL	VDSL option (17.7 MHz) for the 990LT CopperPro™ Test Set with DSL option installed
990-GM/2	ADSL/ADSL2/2+ Golden Modem Option for CopperPro Series II
990-GM/V-2	ADSL, ADSL2, ADSL2+, VDSL2 Golden Modem Option for CopperPro Series II



990DSL CopperPro™ Loop Tester

The CopperPro loop tester offers a broad range of Plain Old Telephone Services (POTS) trouble-shooting, fault location and line qualification capabilities in an affordable package. Its Wideband/TDR option adds high-frequency transmission testing and qualification functions for services like ADSL, HDSL and HDSL2, ISDN, T1, E1 and DDS. And the TDR option adds precise fault location and analysis. CopperPro is packed with test, analysis and troubleshooting capabilities integrated with an easy-to-use toolbox interface that makes identifying and locating faults as simple as pushing a button.

- Replaces up to 12 traditional test sets
- Troubleshoots and qualifies lines for POTS, ADSL and other special services
- Time Domain Reflectometer (TDR) feature allows precision fault locations

Model	Description
990 DSL	CopperPro Loop tester
990DSLWT	Loop tester with wideband and TDR
990TL-SB	Test lead set (Spike and bed-of-nails)
990-CASE	Deluxe transport bag
GLD-990DSL	1-year of Gold Support



CopperPro Terminator™ Far End Terminating Device

The CopperPro family of loop testers from Fluke Networks packs a full complement of test and troubleshooting capabilities into one rugged, integrated tool for OSP technicians. You can expand those capabilities even further with Terminator – an accessory module to the 990DSL CopperPro that lets you perform terminated transmission testing quickly, easily, single-handedly. Together, the CopperPro and Terminator are a major advance in qualifying and troubleshooting copper access network circuits, including HDSL2/4. Nothing else on the market offers a more complete and effective solution for reducing failure frequency, repeats, and chronic problems with special services circuits.

- Perform terminated transmission testing quickly, easily, single-handedly
- Optimize your workforce with “one tech out” terminated testing of out-of-service pairs
- High-speed acceptance/qualification tests, including loop attenuation – a must for HDSL2/4
- Robust error checking eliminates time-consuming false starts and assures reliable communication with the 990DSL CopperPro test set
- Sweep thousands of frequencies in seconds

Model	Description
TN2100	Enhanced Terminator far end device
TN-LEADS-B	Test lead set, bed-of-nail clip



635 QuickBERT-T1 Test Set

Compact, handheld T1 test set for construction, installation and troubleshooting applications. Instantaneous detection and display of framing, line coding, errors, alarms, level, frequency and more. In a single 4 lb (1.8 kg) package, the 635 includes all the basic T1 testing capabilities you would expect in a larger and more expensive tester. It performs bit-error tests, detects framing type, line coding and bit pattern, and displays signal level, frequency, clock slips, errors and alarms. The 635 transmits the most commonly used loop codes, including HDSL. Full, unframed and fractional (56k and 64k) T1 are supported, along with display of signaling and data bits and capture of DTMF digits. Plus, individual voice channels may be monitored on the built-in speaker or over a headset.

- 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

Model	Description
635	QuickBERT-T1, carrying case, ToolPak™ hanging accessory, and necessary cables and adapters
633/635-Kit	2 Bantam-to-310 cables, 2 Bantam-to-alligator clip cables, 1 Bantam-to-RJ-48 cable
635-1	635 QuickBERT-T1 and cable kit



Voltage Detector

In just a few seconds, a technician can determine if it's safe to work around areas such as transformer cases and circuit breaker housings, power ground wires or newly-driven ground rods, mobile homes, metallic siding or metal framing, pedestals, cross boxes or conduit, street light fixtures or electrical machinery. The Voltage Detector is a proven life-saver, with more than 30 years of service in telecommunications outside plant and power utility applications.

- Helps protect against accidental electrocution
- Is fast and easy-to-use. Handy as a flashlight
- Rated to 20,000 Vac and 2,000 Vdc

Model	Description
C9970	Voltage Detector
C9973	Voltage Detector kit – includes Voltage Detector, probe cap, storage bag, temporary bond, ground cord and handbook
C9974	Voltage Detector kit with test plug



Corporate

Communication Service Providers 67
Fluke Networks Gold Support 68
Professional Services and Training. 69
Latest News from Fluke Networks 70
Contact 71

Communication Service Providers

Fluke Networks helps many of the world's leading communications service providers to build, manage and maintain their networks for high efficiency and performance. Our tools and systems are in service around the world, assisting with broadband network conditioning, facility maintenance and repair, troubleshooting, and the installation and maintenance for voice, video and data services.



Why are we different?

Only Fluke Networks brings together the deployment, maintenance, installation and operating support system solutions that deliver the business-transforming results you need to address the challenges ahead. We work closely with communication service providers to reduce operating expenses and maximize workforce productivity so they take maximum advantage of their investment in new technologies and services.

Solutions

Conditioning for Broadband Deployment

Fluke Networks is the world leader in network conditioning. Our NetDSL systems play a pivotal role in accelerating circuit qualification for ADSL and VDSL service deployment at the world's leading telecommunications service companies. And NetDSL ties that testing information back to central data systems, making it easy to market and deliver these new services to customers.



Access Network Maintenance

Our CopperPro and NetTech products help field technicians to troubleshoot and locate access network problems quickly and easily. Whether it's isolating cable problems, eliminating noise problems, or stress testing circuits prior to service installation, Fluke Networks has powerful tools to help technicians get to the solution fast.

Service Installation

Look at the tool belt of any technician and you are sure to find Fluke Networks installation tools and test sets. From market-leading dial sets to durable punchdown tools, Fluke Networks delivers professional quality to assure technicians can get the job done right...the first time.

Operating Support Systems

Fluke Networks is unique in its ability to tie together and automate the far-flung elements of today's access network. Solutions include automated job planning, trouble handling, records verification and centralized testing.

Product Offerings

- DaVaR and NetDSL
- CopperPro Loop Testers/Analyzers
- CopperPro Series II VDSL/ADSL2 Golden Modems
- NetTech xDSL Field Verification
- Telephone Test Sets
- Punchdown Tools
- TDRs
- Toners/Probes
- Automated Trouble Handling
- MetroScope Carrier Ethernet Assistant



Fluke Networks Gold Support

Our Gold Support Program ensures a better return on your investment by lowering your cost of ownership. You'll minimize downtime with a loaner or exchange equipment and unlimited 24x7 telephone technical assistance. You'll get repairs and software/firmware upgrades at no charge – now and for as long as your membership is valid.

Call **800-283-5853** to request a gold support quote or find your nearest Distributor.



Software and Firmware Upgrades

Your product will never be out of date. You'll receive access to all software upgrades via "MyAccount" on **www.flukenetworks.com**, giving you the latest functionality and improving technical efficiency and troubleshooting. Upgrades also include Management Information Base (MIB) library updates for applicable products.

Unlimited 24x7 Technical Support

Extend the expertise of your staff. Gold support includes priority access to our world-class technical assistance center (TAC) via members-only phone numbers. Our centers in Eindhoven (Netherlands), Beijing, Washington, DC and Seattle employ a full staff of highly-trained technical experts that are on call, during weekends and through the night when most network changes are implemented, to answer complex troubleshooting questions.

Annual Calibration/Performance Verification and Factory Refresh

Gold support includes one calibration (if applicable – see your owner's manual for instructions) and factory refresh per year at no charge. You unit will be precisely calibrated using the full battery of proprietary Fluke Networks test procedures, adjusted/repaired as necessary with genuine repair parts, software and firmware updates applied, all accessories tested and replaced if defective, then cleaned and performance verified.

Accessory Replacement

Some accessory parts are essential to your Fluke Networks unit. The normal warranty on accessories is 90 days, but faulty or defective parts and accessories will be replaced free of charge during the term of your Gold Support contract (some accessories are limited to 1 set per year – see website for further details).

Repairs and Loaner Equipment

As a Gold Support member, you will receive a loaner unit – delivered via next-day services and all shipping costs covered – to keep you up an running. Out-of-warranty units will either undergo a fee-based inspection prior to receiving Gold Support or the user must wait 30 days before taking advantage of any service or repair benefit.

Unlimited Access to our Knowledge Base

You'll have an open door to valuable proprietary information we've gathered from helping customers over the years. It also includes helpful technical articles written by our experts.

Members-Only Promotions

Your membership qualifies you for "Members Only" promotions and programs. This includes product discounts, access to reconditioned equipment at special prices and other incredible values.

Training Opportunities

As a Gold Support member, you will have access to many online training materials, including on-demand webcasts via MyAccount at **www.flukenetworks.com/myaccount.** OptiView Gold Support customers may attend our 2-Day OptiView Network Troubleshooting course at no charge. See **www.flukenetworks.com/training** for more information and class schedules.

Professional Services and Training Opportunities

No one understands the challenges and environments of networking professionals like Fluke Networks. That's why we've created a suite of training solutions from custom on-site training and instructor-led courses to self-guided online training and webinars to match the varying needs, work models and experience levels of each user. Visit **www.flukenetworks.com/training** for full details.

Maximize your Return On Investment

Fluke Networks professional services and training programs mean maximum flexibility while increasing your return on investment in equipment and people. From our one-day on-site training and certification program to improve installer skills in testing, certifying, and troubleshooting copper and fiber optic cabling systems to our on-site professional services engagements to assist in design and installation of our tools, or troubleshooting existing stubborn network issues, Fluke Networks professional services and training opportunities help your company get the most out of your network tools.

Consider a training course if you currently own or plan to purchase any Fluke Networks tools. These classes are scheduled around the world in key cities, or we can bring them to your location and customize them to meet your product mix and specific educational needs. We can also create a custom on-site class or electronic training tool to specifically cover the technology, features, and functionality your team needs to maintain your network.

Our classes are taught by specially qualified Fluke Networks experts, so your staff may earn continuing education credits such as BICSI and a certificate of completion, enhancing their skill set and increasing their value to your organization. Visit **www.flukenetworks.com/training** today to review specific course outlines and discover the local contact in your area.

Fluke Networks On-Site Certification Course

Fluke Networks helps you realize the full value of your installation and troubleshooting teams with industry-leading Certified Cabling Test Technician (CCTT) courses. This course help your department stay competitive in the installation and certification of high-speed structured cabling systems. Fluke Networks training staff offers expert classroom training and extensive hands-on experience with our latest products.

Professional Services and Training Benefits

- Industry-leading courses
- Stay competitive
- Enhance team skill set
- Affordable pricing
- Onsite or offsite
- BICSI credits
- Certificate of completion
- Learn industry standards
- Understand inferior cabling
- Speed deployment times



Latest News from Fluke Networks

Sign up for our monthly newsletter – Eye on Networks and receive the latest news from Fluke Networks via email. We offer hundreds of live and on-demand webcasts throughout the year, visit **www.flukenetworks.com/events**. Remember to register your product and receive world-class service and support from Fluke Networks.



Eye on Networks

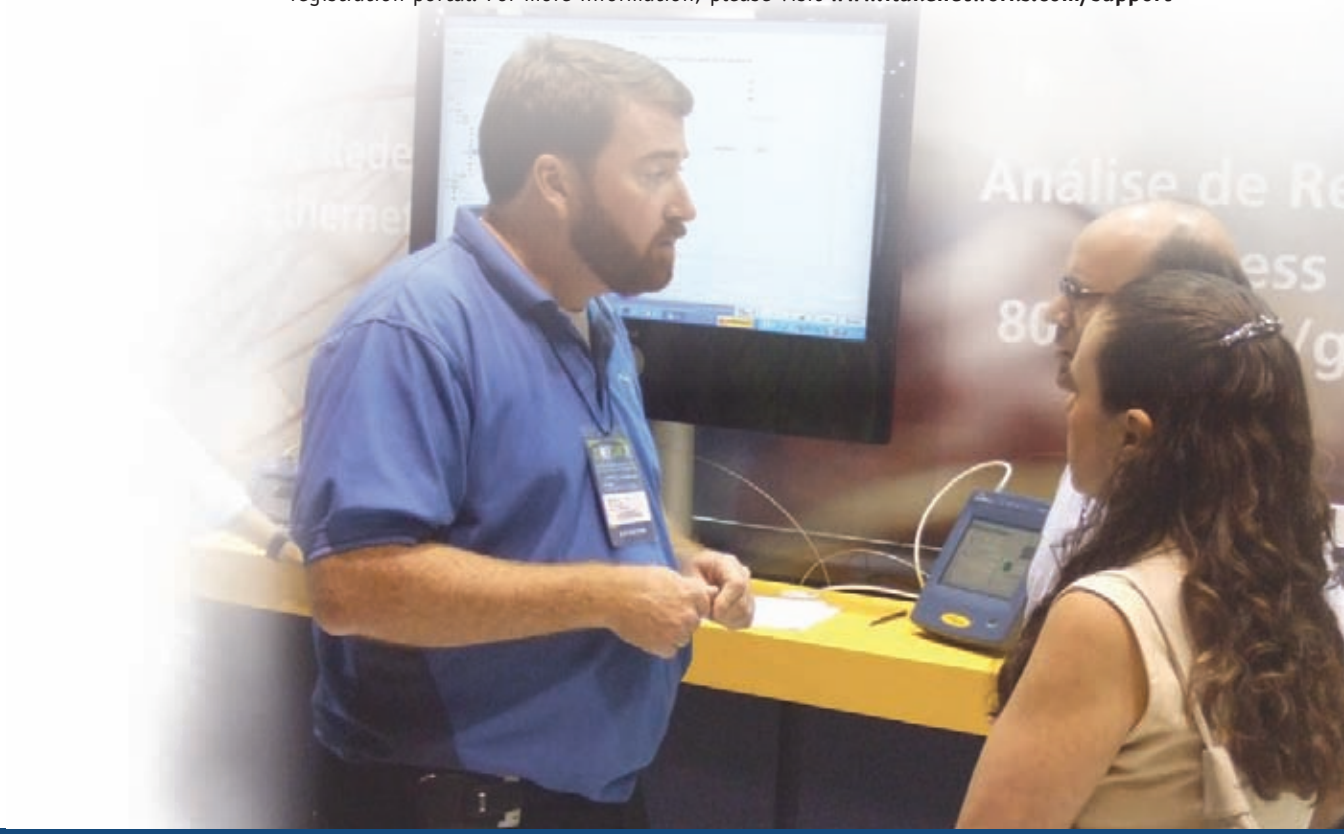
Eye on Networks delivers networking news and information you can use on the job. You will receive monthly updates with the latest in product and technology information, expert technical resources and more. Sign up today at **www.flukenetworks.com/eyeonnetworks**

News, Events and Tradeshows

Fluke Networks is on the road throughout the year at most major industry events. We also offer live and on-demand webcasts. To learn more about Fluke Networks news, events and where we will be throughout the year, please visit **www.flukenetworks.com/events**

Benefits of Product Registration

Fluke Networks offers world-class service and support. Our Service Center Information page will help you contact a Fluke Networks authorized service center and get more information. You can also access our online knowledgebase for self-service. Our extensive knowledgebase will help you quickly find the information you are looking for. For the most up-to-date support information, please remember to register your Fluke Networks product via our online registration portal. For more information, please visit **www.flukenetworks.com/support**



Contact Us

Corporate

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1-800-283-5853
Email: **support@flukenetworks.com**

Training

United States and Canada:
1-800-283-5853
Email: **training@flukenetworks.com**

Customer Service

United States and Canada:
1-800-283-5853 (Toll free inside U.S. and Canada)
1-425-446-4519 (worldwide)

For general questions, information and feedback, please visit: www.flukenetworks.com/contact
For information on local sales offices, please visit: www.flukenetworks.com/worldwide



What's new from Fluke Networks



AirCheck™ Wi-Fi Tester

- Dedicated, handheld 802.11 a/b/g/n tester with instant-on technology
- Rapidly perform a Wi-Fi discovery to fully assess your current wireless security settings and network availability
- Robust and in-depth WLAN connection tests
- Quickly identify and locate access points whether authorized or rogue
- Fully documents your troubleshooting session

See page 39 for additional information.



DTX-CLT CertiFiber® Optical Loss Test Set

- 12 second Autotest – loss measurement of two fibers at two wavelengths, optical link budget calculation, and a PASS/FAIL analysis
- Interchangeable multimode and singlemode modules (which are also compatible with the popular DTX CableAnalyzer™ Series)
- Accurate fiber length measurement – eliminate haphazard guessing!
- Continuity and polarity verification

See page 20 for additional information.



Fiber OneShot™ Optical Test Set

- Measure the length of your fiber quickly and accurately
- New CheckActive™ feature alerts you if an optical signal is on the fiber
- Instant on – no boot/load time
- One-button testing—expedite your fiber testing with one button in just a few seconds
- Locate fiber faults at one meter

Test results displayed numerically—no interpretation needed

See page 60 for additional information.

Your authorized Fluke Networks distributor

Fluke Networks
P.O. Box 777, Everett, WA USA 98206-0777

Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to **www.flukenetworks.com/contact**.

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