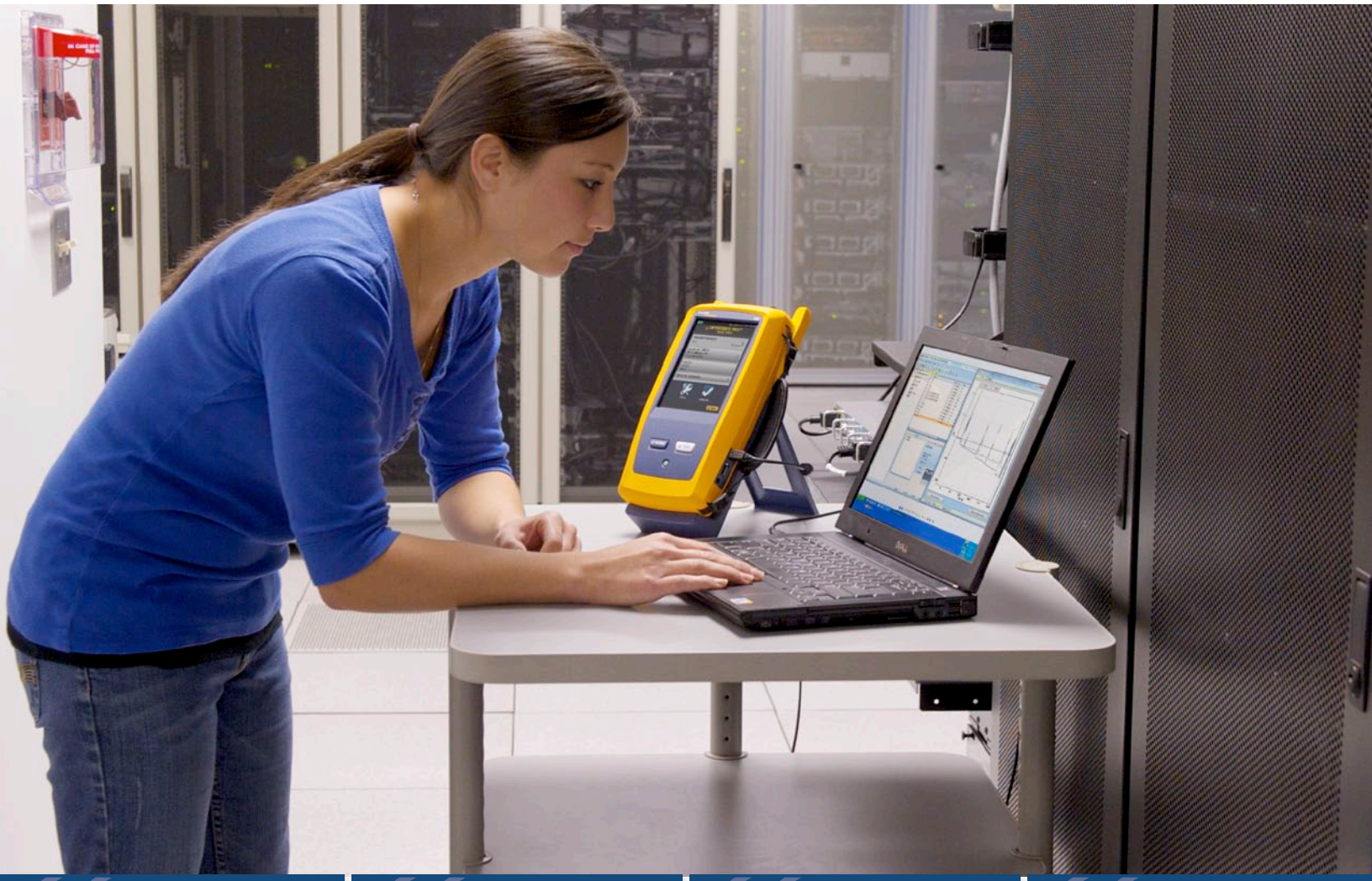
FLUKE networks

Optical Fiber Test and Troubleshooting Solutions



"I look for rugged, long-lasting tools that can stand up to the wear and tear of being used daily

– *Installation Contractor*
Sacramento, CA

"During my day, I see tons of different issues – from simple to complex. My tools have to be flexible enough to handle either extreme.

– *Field Network Maintenance Technician*
Austin, TX

"I need tools that keep my network running, and help me quickly troubleshoot issues as they come up.

– *Network Engineer*
Ithaca, NY

"I rely on my tools to give dependable results and help me solve network problems quickly."

– *Network Technician*
Bloomington, IL

Setting the standard for accuracy, ease of use and field toughness.

The Fluke Networks' fiber-test family is the industry's broadest range of tools for testing and troubleshooting enterprise fiber optic cabling. From the most essential and basic tasks of fiber end-face inspection and cleaning to full cable certification, Fluke Networks' precision instruments efficiently help you ensure datacenter cable infrastructure bandwidth and quality when migrating to a virtualized network and expanding to 100G performance.

Whether you install fiber, respond to trouble tickets or oversee the entire enterprise fiber network, it is essential that you own tools from each of these three categories:

- Fiber certification
- Fiber verification and troubleshooting
- Fiber inspection and cleaning

You have different job responsibilities and titles, but you all have one thing in common: you will be working with more fiber than ever before.

Fluke Networks provides an entire portfolio of fiber solutions, as well as the guidance to determine which of those tools are suited to your daily work. Discover which fiber test tools you need in your tool kit to best tackle any job.

Fiber Testing and Troubleshooting

Certification

Certification and documentation of any new installations, adds, moves or changes guarantees that your fiber will perform according to specifications. Failure to certify cabling can result in significant financial consequences for the network owner or costly callbacks for the contractor. Ensure your fiber cabling's health by certifying its performance based on industry standards.

OptiFiber® Pro OTDR

OptiFiber Pro is a fiber troubleshooting and certification tool designed from the ground-up to meet the needs of premise fiber infrastructure. This easy to use tool performs inspection, verification, Extended (Tier 2) certification, troubleshooting, and documentation of fiber cabling to ensure the health of your most critical network cabling.

DTX CableAnalyzer™

Certifies compliance with TIA/ISO standards by combining this industry-standard cable analyzer with optional on-board fiber modules or complete DTX CertiFiber for Basic (Tier 1) fiber certification or with the DTX Compact OTDR module for Extended (Tier 2) certification.

Verification and Troubleshooting

When the network goes down, tools that efficiently test and troubleshoot your optical fiber are crucial. Verification tools such as light source and power meter sets (LSPMs) and visual fault locators (VFLs) are cost-effective and simple-to-use as the first-line-of-defense instruments that every fiber technician should own.

By instantly providing distances to failures such as high loss and high reflectance incidents, these must-have troubleshooters are needed for any singlemode and multimode network. Detect and fix fiber cabling problems before they become network problems.

SimpliFiber® Pro Optical Power Meter and Fiber Test Kits

Simple-to-use LSPMs with advanced time-saving features help you verify and troubleshoot singlemode and multimode optical fiber cabling systems. Choose from various kit configurations and wavelengths to meet your fiber verification needs in both enterprise and wide area networks

Fiber QuickMap™ and FiberOneShot™ PRO

One-button fiber testing – can be used straight out of the box with no user-setup required. Locate severe bends, high-loss splices, breaks and dirty connectors. Eliminates blind troubleshooting that can last hours. Use Fiber QuickMap for multimode and Fiber OneShot PRO for singlemode.

MultiFiber™ Pro Optical Power Meter and Fiber Test Kits

Takes the complexity out of testing MPO trunks and cassettes for loss and polarity because it's the first tester to automate the fiber testing process without using a fan-out kit.

VisiFault™ Visual Fault Locator

This convenient tool locates fibers, finds faults and verifies continuity and polarity.

Inspection and Cleaning

The most overlooked category of fiber tools is often the most important! Fiber end-face contamination from dirt, dust, lint and skin oils is the #1 cause of fiber failure, which makes using the proper cleaning and inspection tools imperative.

FiberInspector™ Video Microscopes

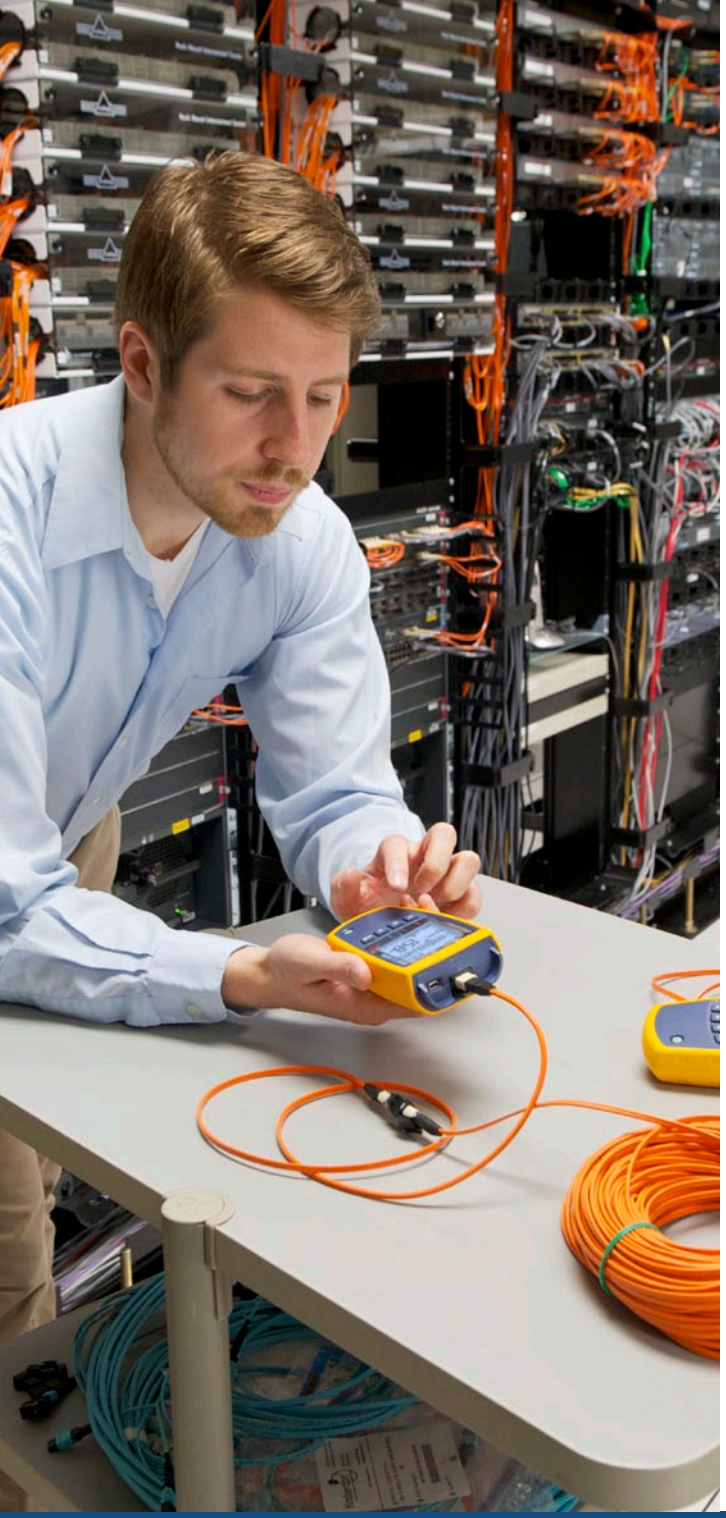
Available in two models, the Pro and Mini, these video microscopes enable end-face inspection inside ports and on patch cords with exceptional clarity.

FiberViewer Handheld Microscope

This rugged handheld microscope allows manual precision focus for inspecting patch-cord end-faces.

Fiber Optic Cleaning Kits

All the cleaning components you need to easily and effectively remove the toughest contaminants from fiber ports and end-faces.



Installation Contractor

Your job responsibilities

- Pull new cable
- Install connectors and patch panels
- Test and certify new and existing installations

What you look for in a tool

As a contractor, you install lots of cable – and let's face it, you're not always gentle with your tools – which is why you look for rugged, long-lasting tools that can stand up to the wear and tear of being used daily. Completing jobs quickly translates into your business' bottom line so accurate pass/fail testers are essential. When installation problems surface, you require dependable tools to pinpoint the issue so you can fix it and move on to the next job. And as always, thorough documentation is a must-have to eliminate finger pointing if future problems arise. After all, your reputation as a contractor is only as good as the accuracy of the results you provide.

How Fluke Networks' tools improve your work

Fluke Networks' fiber tools are rugged and reliable, providing consistent and accurate results – every time. Simple user interfaces and time-saving features increase productivity and eliminate time spent on getting the new guy up to speed. Convenient software makes project setup simpler by helping you quickly organize, edit, view, print, save or archive test results by job site, customer, campus, or building. It also eliminates costly callbacks.

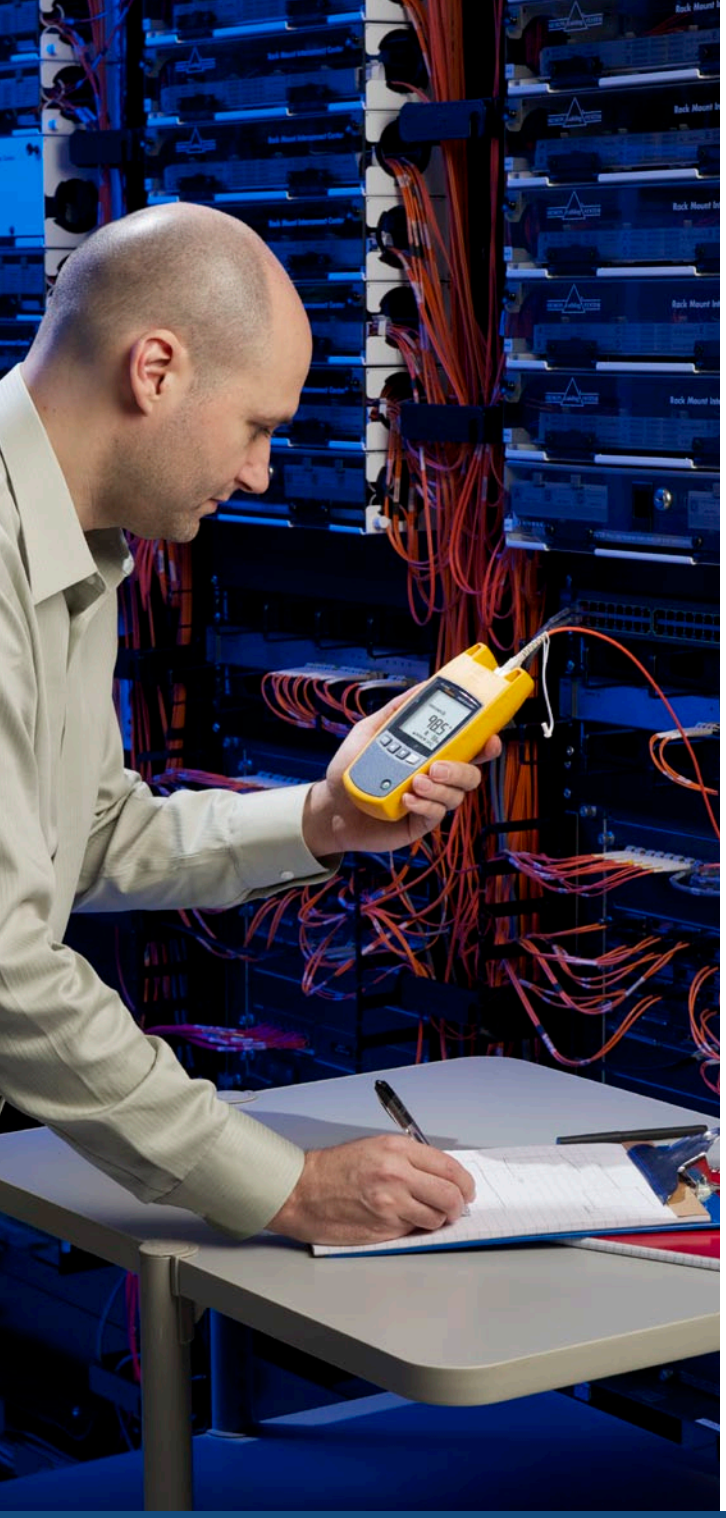
THE TOOLS YOU NEED

FTK1450 Complete Multimode and Singlemode Verification Kit

MultiFiber Pro Optical Power Meter and Fiber Test Kits

DTX-CLT CertiFiber Optical Loss Test Set

DTX CableAnalyzer Compact OTDR



Field Network Maintenance Technician

Your job responsibilities

- Make service calls
- Troubleshoot network problems
- Replace faulty cabling

What you look for in a tool

When you are called in to troubleshoot a network downtime issue, you need expert tools that can help you identify the problem – quickly. Portability is key. The fewer tools you have to lug around with you, the better. During your day, you see a full spectrum of issues – from simple to complex – and you require tools flexible enough to handle either extreme. Staying organized with reliable documentation is also a priority.

How Fluke Networks' tools improve your work

From recertifying fiber links to inspecting connector end-faces, Fluke Networks provides the tools you need to help you on any fiber maintenance job. Choose from a variety of expertly configured fiber test kits containing all the tools necessary for you to quickly resolve the trouble ticket. Easy-to-use documentation software gives you the ability to create professional test reports. Once your work is done, you can provide these necessary files to your customers so they can have instant access to the data electronically. Fluke Networks' portable fiber tools help you stay organized and efficient.

THE TOOLS YOU NEED

Fiber QuickMap

FTK1350 Full Multimode Verification Kit

DTX CableAnalyzer with Fiber Modules

OptiFiber Pro OTDR

Network Engineer

Your job responsibilities

- Manage the network and keep it running
- Handle escalated trouble tickets
- Ensure user issues are solved quickly and correctly

What you look for in a tool

As a Network Engineer, you carry a lot of responsibility. Not only must you keep the network up, but you must build the fiber infrastructure for the future – all with limited budget, tools, and staff. With your time at a premium, you can't afford to spend hours hovering over your technicians, walking them through complicated menus and obscure test options. You require intuitive, all-in-one solutions that eliminate the need for multiple tools that are time consuming, hard to learn, or difficult to operate. You also need the ability to quickly verify your contractors' certification work on newly installed fiber links.

How Fluke Networks' tools improve your work

Fluke Networks' professional fiber tools help you reduce the risk of a network outage and prepare your fiber infrastructure for the future. From in-depth troubleshooting to contractor spot checks, these tools are simple to use, yet provide the detailed information necessary for an expert like you. These fiber tools allow you to solve problems in house or verify the work of your subcontractors. Multi-test functionality reduces the number of instruments you need to purchase to cover a wide scope of tasks. Equip your technicians with the tools they need to maintain the health of your enterprise fiber network cabling.

THE TOOLS YOU NEED

FiberInspector Mini and Cleaning Kit

FTK1300 Basic Multimode Verification Kit

OptiFiber Pro and LinkWare 7 Software

DTX CableAnalyzer with Fiber Modules

Network Technician

Your job responsibilities

- Maintain network cabling
- Respond to user trouble tickets
- Install new cable runs

What you look for in a tool

As a frontline technician, you require a diverse tool set to handle the wide array of problems that come your way. You prefer to have your own tools and be self-sufficient at what you do and while you're always enthusiastic to learn, you definitely don't want to (let alone have the time to) spend hours learning complicated test screens or how to operate a specialty tool, which is why your tools should be intuitive and quick to learn.

How Fluke Networks' tools improve your work

Smart product design and consistent user interfaces minimize your learning curve and make it easy to move from one Fluke Networks tool to the next. Most of these fiber tools don't just do one job – they have built-in, time-saving features that allow you to run many different types of tests and troubleshoot a variety of applications, preparing you for any task that comes your way. Platform documentation software makes it easy to keep track of your work and record your test results. Fluke Networks' fiber tools do the heavy lifting for you, so you can be nimble and efficient in your day-to-day tasks.

THE TOOLS YOU NEED

FiberInspector Pro Video Microscope

Fiber Optic Cleaning Kits

SimpliFiber Pro Power Meter

VisiFault Visual Fault Locator

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		FiberInspector Video Microscope	Fiber Optic Cleaning Kits	Fiber Oneshot Pro	Fiber QuickMap	SimpliFiber Pro Optical Power Meter	MultiFiber Pro	VisiFault Visual Fault Locator	DTX Certifiber	DTX Series with Fiber Modules	DTX Compact OTDR	OptiFiber® Pro OTDR
Inspection and Cleaning	Check for fiber end-face contamination or damage	✓										✓
	Clean contamination		✓									
Verification	Check connectivity			✓	✓	✓	(MPO) ✓		✓	✓	✓	✓
	Check polarity					✓	✓	✓	✓	✓		
	Verify loss over entire link to ensure loss budget not exceeded					✓	✓		✓	✓	✓	✓
	Find faults			✓	✓		✓	✓			✓	✓
	Singlemode			✓				✓	✓	✓	✓	✓
	Multimode				✓	✓	✓	✓	✓	✓	✓	✓
Certification	Basic (Tier 1)								✓	✓		
	Extended (Tier 2)										✓	✓

To learn more visit: www.flukenetworks.com/datacom-cabling

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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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