

Fiber OneShot™ PRO



Analyze fiber links
and measure faults
up to 15 miles
(more than 23,000
metres) in less
than five seconds

Advantages Over the Competition

First responder – every technician's first response to diagnosing fiber trouble

Saves time – analyzes your fiber link in less than five seconds and cuts average job time up to 30 percent

Easy to use – no confusing data to interpret and its one-button test feature means no training necessary

Portable – handheld and ruggedly built for the outdoor environment

Reports high-loss events and saves test results – more value for your fiber investment than other tools

Features/Benefits

Features	Benefits
Analyzes fiber links up to a distance of 15 miles (more than 23,000 metres)	No user-setting adjustment needed. Can be used straight out of the box
One-button testing	Simplicity enables lower-level technicians (who would never get an OTDR) to become troubleshooting experts
Speedy five-second troubleshooting	Reduces troubleshooting time of 15 min to several hours (VFL/PM) to seconds (Fiber OneShot PRO)
Locates high-loss incidents	Eliminates trial and error to find most common faults found on singlemode fiber
Locates reflective incidents	Allows user to analyze the channel
Locates fiber breaks	Allows user to quickly isolate breaks and faults without interpreting complex graphs
Locates multiple incidents/faults	Allows user to "see" all incidents within their channels

Target users

Customer		Characteristics	Pain Points
Primary	MSOs/CATV/ Hybrid Fiber Coax Networks	<ul style="list-style-type: none">• Singlemode fiber networks with two types of fiber technicians (Coax or non-fiber technicians need a basic fiber network troubleshooting tool)• Require long distances (up to 15 miles or more than 23,000 metres will cover 95% of territory)	<ul style="list-style-type: none">• Need quick, simple test from a coax or non-fiber technician• Diagnostics – is my fiber link good?• Do I need to call in a highly experienced technician with an OTDR?
Primary	Regional Telco/ RBOC (Central Office Technicians)	<ul style="list-style-type: none">• Singlemode fiber networks and FTTx installations with CO technicians that don't have OTDRs or any OTDR training• Need quick, simple test from the CO (is my fiber link good?)• All technicians – novice to expert	<ul style="list-style-type: none">• Lack of OTDR or OTDR expertise for CO technicians• Field technician must drive to every CO and test with OTDR• Faster and more efficient to have CO tech test with Fiber One Shot PRO and then call field tech at other end
Secondary	Regional Telco/ RBOC (Field)	<ul style="list-style-type: none">• Singlemode fiber networks in rural or more sparsely populated regions where the COs are farther apart. Fiber distribution hubs may be farther away as well• Often won't invest in OTDRs (too complex, high tech turnover, no training budget)• Can be long distances - up to 15 miles (more than 23,000 metres) will cover 90% of territory	<ul style="list-style-type: none">• Lack of OTDRs or OTDR expertise for technicians• Technicians must drive long distances to test points and may not have right equipment when they arrive• “Do-it-all” technicians – must quickly diagnose and fix• Isolating the fault quickly without a lot of driving

Three things that sell this product

- Measures up to 15 miles of fiber (more than 23,000 metres) in less than five seconds
- No training necessary – anyone can test fiber like a pro with the PRO
- 100% portable – you don't have to lug around heavy equipment or run back and forth between the central office, the hub and the premises

Fiber OneShot PRO analyzes your fiber link in less than five seconds and cuts average job time up to 30 percent



Frequently Asked Questions

- Q:** Why should I buy a Fiber OneShot PRO instead of a singlemode OTDR?
- A:** Fiber OneShot PRO is much easier to use, requires no technician training, and is much more affordable than OTDRs. If you need a first-response fiber troubleshooter for low-training, high-turnover field environments, or need to equip every crew technician with fiber diagnostic ability, Fiber OneShot PRO is the perfect solution.
- Q:** If I already have an OTDR, do I need a Fiber OneShot PRO?
- A:** Yes, they are complementary products. Fiber OneShot PRO is the ideal first-response fiber troubleshooter for all singlemode technicians from novice to expert, and it is particularly suited to inexperienced or non-fiber technicians who are required to conduct first-pass troubleshooting. OTDRs are ideal for comprehensive fiber installation and certification.
- Q:** Does Fiber OneShot PRO save test results and provide traces?
- A:** Yes, it does save test results in an easy-to-read digital format, including high loss, high reflectance, lossy splices, severe bends, breaks and connections. Fiber OneShot PRO does not provide complex traces that can be tough to interpret for technicians.
- Q:** Does Fiber OneShot PRO measure loss and reflectance of each event?
- A:** Yes, Fiber OneShot PRO measures and reports loss and reflectance of each event. Loss measurements vary from 0.1 dB to 1.5 dB, depending on cable characteristics, environmental conditions and other variables. Event measurements with high reflectance will be similar to the accuracy of an OTDR at 0.1 dB, while other event measurement accuracy will approach 1 or 1.5 dB.

Q: Will Fiber OneShot PRO give me an overall fiber link loss measurement?

A: Yes, Fiber OneShot will give you a rough estimate of overall link loss indicated on the display by RL (Result Loss). This includes all measured loss events plus an industry-based calculation for the typical attenuation over a cable of this length.

Q: Does Fiber OneShot PRO measure multiple events?

A: Yes, it measures up to nine events.

Q: What should I do if Fiber OneShot PRO reads 0 or gives unexpected results?

A: Clean both ends of the fiber, multiple times if necessary. Fiber is highly sensitive to dirt and contamination.

Q: Will Fiber OneShot PRO test through CWDM filters, splitters or attenuators of more than 2 dB?

A: No, there is usually too much attenuation. Fluke Networks recommends that you test on either side of a splitter, CWDM filter or attenuator of more than 2 dB.

Q: Will the Fiber OneShot PRO work on multimode fiber?

A: No.

Q: Does Fluke Networks offer a multimode troubleshooter?

A: Yes, Fluke Networks provides the Fiber QuickMap™ Enterprise Troubleshooter for multimode. To purchase, visit:
www.flukenetworks.com/FiberQuickMap

Fiber OneShot PRO

Model	Description
FIBR-1-SHOTPRO	Fiber OneShot PRO only—includes meter, SC adapter, 22-language Quick Reference Guide on CD, manual and batteries
FIBR-1-KITPRO	Fiber OneShot PRO-SC-Kit—includes meter, SC adapter, UPC-UPC 2-metre patch cord, holster, soft case, 22-language Quick Reference Guide on CD, manual and batteries
FIBR-1-KITPRO-VF	Fiber OneShot PRO-SC-Kit with VisiFault—includes meter, SC adapter, UPC-UPC 2-metre patch cord, holster, soft case, 22-language Quick Reference Guide on CD, manual and batteries plus the VisiFault Visual Fault Locator with 2.5 mm universal adapter
FIBR-1-KITPRO-PM	Fiber OneShot PRO-SC-Kit with SimpliFiber Pro—includes meter, SC adapter, UPC-UPC 2-metre patch cord, holster, soft case, 22-language Quick Reference Guide on CD, manual and batteries plus SimpliFiber Pro optical power meter and SC adapter
FIBR-1-KITPRO-VFPM	Fiber OneShot PRO-SC-Kit with VisiFault and SimpliFiber Pro—includes meter, SC adapter, UPC-UPC 2-metre patch cord, holster, soft case, 22-language Quick Reference Guide on CD, manual and batteries plus the VisiFault Visual Fault Locator with 2.5 mm universal adapter and SimpliFiber Pro optical power meter and SC adapter
FQM-KIT	Fiber QuickMap Kit—includes Fiber QuickMap, SC/SC and SC/LC (50 and 62.5 µm) hybrid test reference cords, and carrying pouch

Accessories

Model	Description
FIBR-UPC-CORD-2M	2-metre UPC-UPC patch cord
FIBR-AC-UAPC	1-metre UPC-APC launch cord
NFK3-LAUNCH	Launch/receive fiber, 9/125 µm, SC/UPC to SC/UPC, 130 m
NFK3-LAUNCH-ST	Launch/receive fiber, 9/125 µm, SC/UPC to ST/UPC, 130 m
NFK3-LAUNCH-LC	Launch/receive fiber, 9/125 µm, SC/UPC to LC/UPC, 130 m
NFK3-LAUNCH-FC	Launch/receive fiber, 9/125 µm, SC/UPC to FC/UPC, 130 m
NFA-FC	FC Test Adapters – set of 2
NFA-ST	ST Test Adapters – set of 2
NFA-LC	LC Test Adapters – set of 2
NFA-SC	SC Test Adapters – set of 2

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.

©2011 Fluke Corporation. All rights reserved.
Printed in U.S.A. 5/2011 4038601B