Fiber Test Installer Packages

To effectively test and inspect multimode fiber optic links, you need equipment that can get the job done fast, and getting the job done fast means getting to all the tools you need quickly. It helps if you have everything you need in one compact kit. No need to waste valuable time chasing down a fiber viewer or instruction manual during a critical phase in the test process.

Fluke Networks' two Fiber Test Installer packages – the FTK100FV Basic Package and the FTK200FV Pro Package – can make your life easier. Here's how.

Both kits:
• Test multimode fiber at 850 nm and 1300 nm wavelengths

• Test 62.5 µm fiber or 50.0 µm fiber with optional 50.0 µm patch cords

• Are extremely easy to use

• Include compact, rugged fiber testers that ensure equipment uptime and keep the job moving

• Include power meters with an instant battery check feature

• Include the Fluke Networks FT120 multimode Fiber Viewer for inspecting fiber end-faces

• Include a handy *Fiber Optic Reference Guide* full of in-depth fiber information

• Work with an optional Fluke Networks laser source for measuring loss on singlemode fiber

• Come with a compact, hard-shell carrying case for easy transport

• Include a free ToolPak™ Hanging Kit with product registration

Which kit is right for you?

FTK100FV Basic Package: Choose this option if you only have a few fiber links and don't need automated recording of test results. It includes the FTK100 Optical Fiber Test Kit (which provides a quick readout of the optical loss for the fiber being tested), the Fluke Networks FT120 Fiber Viewer, and the *Fiber Optic Reference Guide*.

FTK200FV Pro Package: If your fiber testing requirements have grown to include documentation and report generation needs, the Pro Package is your best bet. It includes the FTK200 Optical Fiber Test Kit (which is better suited for testing multiple links of fiber), the Fluke Networks FT120 Fiber Viewer, and the *Fiber Optic Reference Guide*. The FTK200 automatically stores up to 500 records of test data. Plus, you get Fluke Networks' CableManager™ software for documenting test results. The FTK200 also has productivity enhancing features, such as a single port for both output wavelengths, which eliminates the need to disconnect fibers when testing two wavelengths.

Ensure clean fiber connections with Fiber Viewer

To ensure your termination is smooth, clean and ready for optical transmission, both packages include the Fluke Networks FT120 multimode Fiber Viewer for inspecting fiber end-faces. (For singlemode installations, Fluke Networks offers the FT140 Fiber Viewer with 400x magnification, sold separately.) Fluke Networks inspection scopes contain a special safety filter that protects your eyes by screening harmful infrared light.

Optional laser source

Upgrade either package with Fluke Networks' LS-1310/1550 Laser Source. This optional laser power source generates both 1310 and 1550 nm wavelengths to measure loss on singlemode fiber.

Keep the job moving along

All of Fluke Networks' fiber test products are built rugged to withstand the drops and other mishaps that occur in today's installation environments. These small, compact testers are easy to hold and easy to store. Carrying cases help protect your equipment when not in use, so it's ready to go when you are.

Easy-to-use Fiber Test Installer Packages *simplify fiber testing.*

Specifications

	FTK100 Optical Fiber Kit	FTK200 Optical Fiber Kit
	FM130 Fiber Meter	**FM150 Fiber Meter**
Detector type	Germanium	Germanium
Calibrated wavelengths	850 nm, 1300 nm, 1310, and 1550 nm	850 nm, 1300 nm, 1310 nm, and 1550 nm
Measurement range	+6 dBm to -50 dBm	+6 dBm to -50 dBm
Resolution	0.01 dB	0.01 dB
Loss and power measurement accuracy	±0.25 dB at 25 °C and -10 dBm	±0.25 dB at 25 °C and -10 dBm
Temperature range operating	0 °C to +50 °C; Storage: -30 °C to +60 °C	0 °C to +50 °C; Storage: -30 °C to +60 °C
Humidity range operating	0 to 95% RH, non-condensing	0 to 95% RH, non-condensing
Battery type and life	9 V alkaline (NEDA 1604A or IEC 6LR61); 50 hours typical with alkaline battery	9 V alkaline (NEDA 1604A or IEC 6LR61); 30 hours typical with alkaline battery
Battery life indication	One-button operation displays percentage of battery life remaining	One-button operation displays percentage of battery life remaining
Low battery indication	BAT appears on the display	BAT appears on the display
Display	4-digit LCD display	4-digit LCD display
Memory		Stores up to 500 measurements for each wavelength. Measurements are stored in non-volatile memory, which is retained when power is off or the battery is changed. Memory contents can be uploaded to a PC or sent directly to a serial printer
Dimensions	3.2 in x 5.8 in x 1.5 in (8.1 cm x 14.7 cm x 3.8 cm)	3.2 in x 5.8 in x 1.5 in (8.1 cm x 14.7 cm x 3.8 cm)
Weight	8.6 oz (244 g)	8.6 oz (244 g)
	FOS-850/1300 Fiber Optic Source	**FS150 Fiber Source**
Light source	Infrared LED	Infrared LED
Wavelength	850 nm ±30 nm; 1300 nm -40 nm/+50 nm	850 nm ±30 nm; 1300 nm -10 nm/+50 nm
Output power	-20 dBm nominal into 62.5 µm multimode fiber	-20 dBm nominal into 62.5 µm multimode fiber
Connector	ST	ST
Beam divergence	0.3 radians	
Maximum output	200 µW (radiated into free space)	
Stability	±0.2 dB per 8 hours at 20 °C after 20 minute warm-up	±0.1 dB per 8 hours at 25 °C
Temperature coefficient	-0.08 dB per °C, <18 °C or >28 °C	
Battery type and life	9 V alkaline (NEDA 1604A or IEC 6LR61); 24 hours typical with alkaline battery	9 V alkaline (NEDA 1604A or IEC 6LR61); 30 hours typical with alkaline battery
Low battery indication	Blinking LED	Blinking LED in power switch
Temperature range	Operating: 0 °C to 40 °C; Storage: -20 °C to +70 °C	Operating: 0 °C to 50 °C; Storage: -20 °C to +70 °C
Humidity	Up to 75% RH, 0 °C to 40 °C	Up to 90% RH
Conformance	CE and IEC 1010-1	CE
Dimensions	4.5 in x 2.5 in x 1.5 in (11.4 cm x 6.4 cm x 3.8 cm)	3.2 in x 5.6 in x 1.5 in (8.1 cm x 14.2 cm x 3.8 cm)
Weight	5.0 oz (142 g)	7.2 oz (204 g)

	FT120 and FT140 Fiber Viewer		
Wavelength	**850 nm**	**1310 nm**	**1550 nm**
Optical density	2.05	5.10	4.30
Attenuation	20.5 dB	51.0 dB	43.0 dB
Peak power rating	49 mW	1000 W	190 W
Magnification	**FT120:** 200x; **FT140:** 400x		
Fiber adapter	2.5 mm universal ferrule adapter for multimode or singlemode fibers		
Power supply	Three 1.5 V AAA batteries (NEDA 24A or IEC LR03) 35 hours typical use with alkaline batteries		
Light source	White LED (100,000 hour life)		

FREE ToolPak™ with registration

Register your Fluke Networks fiber test packages and receive a FREE ToolPak™ Hanging Kit. It comes with a magnet, nylon hanger, and two Velcro® straps that allow you to hang your tester just about anywhere. By having both hands free as you work, you'll finish jobs faster. Product registration also gives you Silver Priority Support member status.

Ordering Information

Model	Fiber Test Installer Packages
FTK200FV	**Fiber Test Kit-Pro Package** Includes FM150 Fiber Meter, FS150 Fiber Source, FT120 Fiber Viewer 200x, CableManager™ Software, *Fiber Optic Reference Guide* and hard carrying case
FTK100FV	**Fiber Test Kit-Basic Package** Includes FM130 Fiber Meter, FOS-850/1300 LED source, FT120 Fiber Viewer 200x, *Fiber Optic Reference Guide* and hard carrying case

Optional Items	
FT140	Fiber Viewer, 400x
FT120	Fiber Viewer, 200x
LS 1310/1550	Laser Source