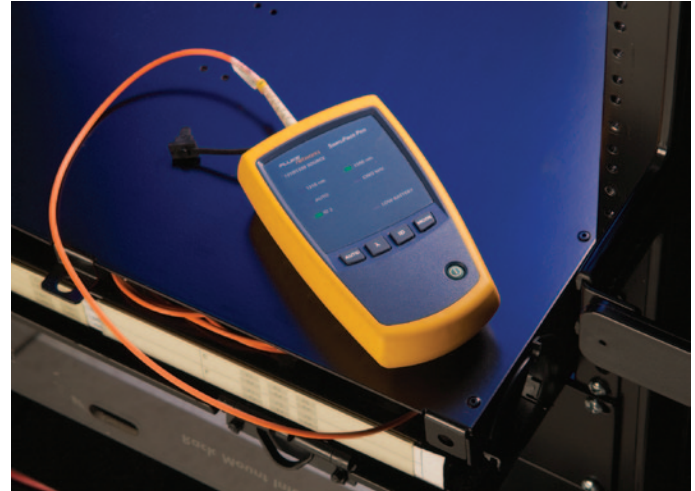# SimpliFiber Pro Multimode and Singlemode Sources

Sturdily built and encased in a durable molding, the next generation SimpliFiber Pro LED multimode and laser singlemode sources* retain the familiar intuitive four-button functionality from the popular workhorse SimpliFiber line, while incorporating additional features that make fiber testing even more simple. When combined with a SimpliFiber Pro optical power meter, these sources enable you to:

- Quickly and efficiently measure power and loss at SC, LC, and ST connections using the dual-wavelength testing feature in which both 850 and 1300 nm or 1310 and 1550 nm wavelengths can be transmitted simultaneously

- Conveniently save measurements taken at both wavelengths into one record

- Eliminate time-consuming mistakes with the automatic wavelength detection ability

- Quickly identify patch panel cable routing without the assistance of a talk set and another technician

*The multimode source is standard in the FTK1000, FTK1300, FTK1350, and FTK1450 kits; the singlemode source is standard in the FTK2000 and FTK1450 kits or available separately as a standalone module.

Multimode source   Singlemode source   *Both multimode and singlemode sources are available in the FTK1450 Complete Verification Kit*

Specifications

Multimode Optical Source	
Emitter Type	LED
Central Wavelength	850 nm, 1300 nm
Wavelength Accuracy	• 850 nm: +/-30 nm • 1300 nm: +/- 20 nm
Spectral Width (FWHM)	• 850 nm: 50 nm (typical) • 1300 nm: 135 nm (typical)
Minimum Output Power	850/1300 nm: ≥ -20 dBm
Power Output Stability[1]	±0.1 dB over 8 hours
Auto Dual-Wavelength Switching	Yes. Can be enabled/disabled by user.
Optical Output Connector	Fixed SC[2]
FindFiber Code Generation	Yes. Fixed at ID 1.
Modes	CW, 2 kHz modulated, Auto-wavelength
Power Requirement	2 AA Alkaline batteries.
Battery Life[3]	40 hrs (typical)
Automatic Power Off	30 minutes (can be disabled by user)
Low Battery Warning	Yes, LED blinks
Size (L x W x H)	5.6 in x 3.2 in x 1.6 in (14.2 cm x 8.1 cm x 4.1cm)
Weight	9.8 oz (278 g)

Specifications (continued)

Singlemode Optical Source	
Emitter Type	FP Laser: dual 1310 nm/1550 nm
Central Wavelength	1310 nm, 1550 nm
Wavelength Accuracy	• 1310 nm: +/- 20 nm • 1550 nm: +/- 30 nm
Spectral Bandwidth (RMS)	• 1310 nm: 2 nm (maximum) • 1550 nm: 3 nm (maximum)
Minimum Output Power	1310/1550 nm: ≥ -7 dBm (typical)
Power Output Stability[1]	±0.25 dB over 8 hours
Auto Dual-Wavelength Switching	Yes. Can be enabled or disabled by user.
Optical Connector	Fixed SC[2]
Launch Condition	9/125 µm fiber
FindFiber Code Generation	Yes. Fixed at ID 2.
Modes	CW, 2 kHz modulated, Auto-wavelength
Power Requirement	2 AA Alkaline batteries.
Battery Life[3]	30 hrs (typical)
Automatic Power Off	30 minutes (can be enabled or disabled by user)
Low Battery Warning	LED blinks.
Size (L x W x H)	5.6 in x 3.2 in x 1.6 in (14.2 cm x 8.1 cm x 4.1cm)
Weight	9.8 oz (278 grams)

[1] 23˚ C ± 2˚ C, after 5 minutes warm-up time
[2] LC and ST connectors can be tested using hybrid test-reference cord accessories.
[3] In auto-wavelength mode, battery life depends on the condition and type of batteries used. Fluke Networks recommends alkaline batteries.

New time-saving capabilities, same simple functionality