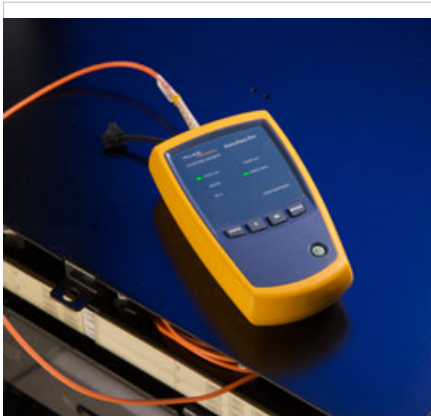


## Datasheet: SimpliFiber Pro Multimode and Singlemode Sources

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#### 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, FTK1375, and FTK1475 kits; the singlemode source is standard in the FTK2000 and FTK1475 kits or available separately as a standalone module.*



Multimode source



Singlemode source



Both multimode and singlemode sources are available in the FTK1475 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: $\geq -20$ dBm
Power Output Stability <sup>1</sup>	$\pm 0.1$ dB over 8 hours
Auto Dual-Wavelength Switching	Yes. Can be enabled/disabled by user.
Optical Output Connector	Fixed SC <sup>2</sup>
FindFiber Code Generation	Yes. Fixed at ID 1.
Modes	CW, 2 kHz modulated, Auto-wavelength
Power Requirement	2 AA Alkaline batteries.
Battery Life <sup>3</sup>	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: +/- 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: $\geq -7$ dBm (typical)
Power Output Stability <sup>1</sup>	$\pm 0.25$ dB over 8 hours
Auto Dual-Wavelength Switching	Yes. Can be enabled or disabled by user.
Optical Connector	Fixed SC2
Launch Condition	9/125 $\mu$ m fiber
FindFiber Code Generation	Yes. Fixed at ID 2.
Modes	CW, 2 kHz modulated, Auto-wavelength
Power Requirement	2 AA Alkaline batteries.
Battery Life <sup>3</sup>	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)
<sup>1</sup> 23° C $\pm$ 2° C, after 5 minutes warm-up time <sup>2</sup> LC and ST connectors can be tested using hybrid test-reference cord accessories. <sup>3</sup> In auto-wavelength mode, battery life depends on the condition and type of batteries used. Fluke Networks recommends alkaline batteries.	

