

# SimpliFiber® Pro

## Singlemode Optical Power Source

### Instruction Sheet

The SimpliFiber® Pro Singlemode Optical Power Source provides optical power at 1310 nm and 1550 nm or 1490 nm and 1625 nm. The source is used with an optical power meter for testing singlemode fiber optic cable.

The source comes with the following:

- 2 AA alkaline batteries
- Instruction Sheet

If something is damaged or missing, contact the place of purchase immediately.

### Safety Information

 **Warning: Class 1 Laser** 

To avoid possible eye damage caused by hazardous radiation:

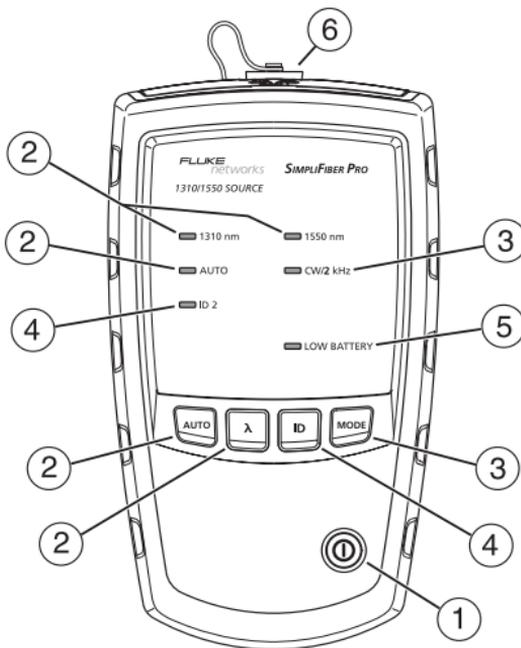
- **Never look directly into optical connectors. Some sources produce invisible radiation that can permanently damage your eyes.**
- **Never turn on the source unless a fiber is attached to the port.**
- **Do not use magnification to view the optical outputs without proper filtering.**
- **Use of controls, adjustments, or procedures not stated herein might result in hazardous radiation exposure.**

## ⚠ Caution

To avoid damaging fiber connectors, to avoid data loss, and to ensure maximum accuracy of test results:

- Use proper cleaning procedures to clean all fiber connectors before every use. Neglecting this step or using improper procedures can cause unreliable test results and may permanently damage the connectors.
- Cover all connectors with protective caps when not in use.
- Never connect the source to an active network. Doing so can disrupt network operations.
- After you turn on the source, let it warm up for 10 minutes before use. Allow additional time if the source has been stored above or below ambient temperature.

## Features



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① : On/off key.

② : Selects auto wavelength mode, which is used with a SimpliFiber Pro meter. The **AUTO** LED lights. The source's signal includes an identifier that tells the SimpliFiber Pro meter which wavelength to measure.

Press  to change the wavelength. The wavelength LEDs indicate the wavelength.

- ③ **MODE**: Switches between continuous wave and 2 kHz modulated output signals.
- Use continuous wave mode (**CW/2 kHz LED on steady**) for making loss or power measurements with a meter other than a SimpliFiber Pro meter.
  - Use the 2 kHz modulated output mode (**CW/2 kHz LED blinking**) if locating fibers with a meter other than a SimpliFiber Pro meter.
- Also enables or disables auto power-off. See "Auto Power-Off".
- ④ **ID**: Selects FindFiber mode, which is used with a SimpliFiber Pro meter to help you quickly identify link connections at patch panels. The ID LED lights if the source is in FindFiber mode.
- ⑤ The **LOW BATTERY** LED blinks continuously if the battery is low. The LED blinks occasionally if auto power-off is disabled. See "Auto Power-Off".
- ⑥ Output port with SC adapter.

## Battery Installation, Life, and Status



Note: Fluke Networks recommends alkaline batteries.

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- The batteries last for about 30 hours of typical use. See the specifications.
- Replace the batteries if the **LOW BATTERY** LED blinks continuously. The LED blinks occasionally if auto power-off is disabled. See "Auto Power-Off".

## Auto Power-Off

If auto power-off is enabled, the source turns off after 30 minutes if no keys are pressed.

To disable or enable auto power-off, hold down  for 4 seconds.

- If auto power-off is enabled, all LEDs turn on for 3 seconds.
- If auto power-off is disabled, all LEDs blink for 3 seconds and the **LOW BATTERY** LED blinks occasionally.

## Registration

Registering your product with Fluke Networks gives you access to valuable information on product updates, troubleshooting tips, and other support services. To register, fill out the online registration form on the Fluke Networks website at [www.flukenetworks.com/registration](http://www.flukenetworks.com/registration).

## Contacting Fluke Networks



[www.flukenetworks.com](http://www.flukenetworks.com)



[support@flukenetworks.com](mailto:support@flukenetworks.com)



+1-425-446-4519

- Australia: 61 (2) 8850-3333 or 61 (3) 9329-0244
- Beijing: 86 (10) 6512-3435
- Brazil: 11 3759 7600
- Canada: 1-800-363-5853
- Europe: +31-(0) 40 2675 600
- Hong Kong: 852 2721-3228
- Japan: 03-6714-3117
- Korea: 82 2 539-6311
- Singapore: 65 6799-5566
- Taiwan: (886) 2-227-83199
- USA: 1-800-283-5853

Visit our website for a complete list of phone numbers.

## Accessories

Visit the Fluke Networks website at [www.flukenetworks.com](http://www.flukenetworks.com) for a complete list of fiber test equipment and accessories.

## Specifications

<b>Operating temperature</b>	-10°C to +50°C
<b>Storage temperature</b>	-20°C to +50°C
<b>Emitter type</b>	1310 nm/1550 nm: dual FP laser 1490 nm/1625 nm: dual DFB laser
<b>Central wavelength</b>	1310 nm: ±20 nm 1550 nm: ±30 nm 1490 nm: ±3 nm 1625 nm: ±5 nm
<b>Spectral width (RMS)</b>	1310 nm: 2 nm (maximum) 1550 nm: 3 nm (maximum) 1490 nm/1625 nm: 1 nm (maximum)
<b>Minimum output power</b>	1310 nm/1550 nm: ≥ -7 dBm (typical) 1490 nm/1625 nm: ≥ -3 dBm (typical)
<b>Power output stability<sup>1</sup></b>	±0.25 dB over 8 hours
<b>Auto dual-wavelength switching</b>	Yes. Can be enabled or disabled by the user.
<b>Optical connector</b>	Fixed SC
<b>FindFiber ID generation</b>	Yes. 1310 nm/1550 nm is fixed at ID 2. 1490 nm/1625 nm is fixed at ID 3.
<b>Output modes</b>	CW (continuous wave), 2 kHz modulated, auto-wavelength
<b>Power requirement</b>	2 AA alkaline batteries
<b>Battery life<sup>2</sup></b>	30 hours (typical)
<b>Automatic power-off</b>	30 minutes (can be disabled by the user)
<b>Low battery warning</b>	Blinking LED
<b>Size</b>	5.6 in x 3.2 in x 1.6 in (14.2 cm x 8.1 cm x 4.1 cm)
<b>Weight</b>	9.8 oz (278 g)

1. 23°C ±2°C, after 5 minutes of warm-up time.
2. In auto-wavelength mode. Battery life depends on the condition and type of batteries used. Fluke Networks recommends alkaline batteries.

	Conforms to relevant European Union directives
	Conforms to relevant Australian standards
	Listed by the Canadian Standards Association
<b>Laser safety</b>	Complies with 21CFR.1040.10,11, and EN60825-1, 2:2007 (Class 1, Hazard Level 1)

## LIMITED WARRANTY AND LIMITATION OF LIABILITY

Fluke Networks mainframe products will be free from defects in material and workmanship for one year from the date of purchase. Parts, accessories, product repairs and services are warranted for 90 days, unless otherwise stated. Ni-Cad, Ni-MH and Li-Ion batteries, cables or other peripherals are all considered parts or accessories.

This warranty does not cover damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke Networks' behalf. To obtain service during the warranty period, contact your nearest Fluke Networks authorized service center to obtain return authorization information, then send your defective product to that Service Center with a description of the problem.

**THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE NETWORKS IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY.**

Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

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