

Model SSF-TKITE-300
OPTICAL LIGHT SOURCE

Manual

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1. Overview

The SSF-FLS-400 optical light source provides single to quad-wavelength output including 850/1300nm wavelengths for multimode fiber and 1310/1550nm wavelengths for singlemode fiber. Together with the SSF-FPM-300 power meter, they can be used as an accurate test solution for optical fiber networks.

Features

- Rugged Design
- Portable size and easy operation
- Large LCD screen
- Auto shut-down function
- High stable single or quad-wavelength output at CW or modulated mode
- Low power self-inspecting function

2. Specifications

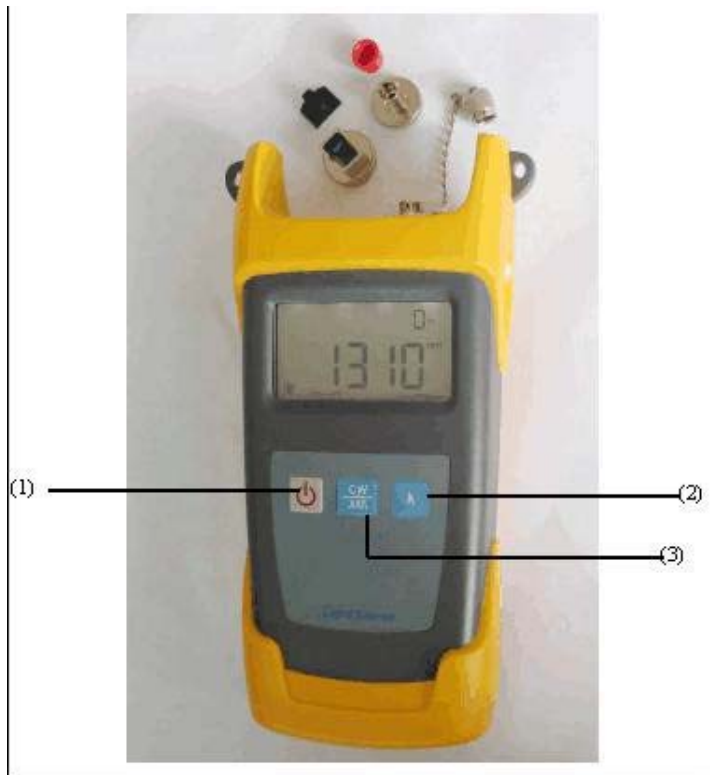
Type	light source
Wavelength (nm)	850 / 1300 / 1310 / 1550nm
Emitter Type	FP-LD
Output Power (dBm)	650nm(>0dBm),1310/1550(-6~-7dBm)
Modulation	CW / 2Hz (650) / 270Hz,1KHz,2KHz (1310, 1550)
Fiber Type	SM , MM
Connector	FC/PC,SC/PC,ST/PC
Power Supply	AA 1.5V(3pcs batteries),9V AC Adapter
Operating Temperature (°C)	-10~+60
Storage Temperature (°C)	-25~+70
Battery Life (h)	45
Dimension (mm)	185x84x48
Weight (g)	180



3. Standard Accessories

- 1. Main unit.....1
- 2. Operation Manual.....1
- 3. Power Supply Adapter.....1

4. Function


4.1 Function Instructions




- (1) “” Power On/Off Switch: Press to turn the unit on or off.
Auto Shut-Off Selection: Quickly press this key to turn the auto shut-off function on or off. When auto shut-off is active, the unit will automatically shut off after ten minutes idle.
- (2) “ λ ” Wavelength Selection: Press this key to switch the wavelength and display it in the middle of the LCD screen.
- (3) “ CW “ Modulation: Press this key to switch modulation between continuous light and modulated light. The frequency of modulated light is 650nm (CW, 2HZ) 13/15 (270Hz, 1kHz, 2kHz), and it will be displayed on the top right corner of the LCD screen, which will show 0Hz under the continuous light mode.

5. Operation

5.1 Turn on/off the unit

Press  key to turn on. The LCD screen will display the following information:

- (1) When using the AC adapter, the AC adapter's mark will display on the center left of screen.
- (2) The battery indicator is displayed on the top left of the display and will be lit when using battery power. The capacity shown will decrease with battery power. Replace batteries as needed.
- (3) The "auto-off" icon is shown on the bottom left of the screen. The auto-off function light illuminates after the unit is turned on. The unit will automatically shut off when idle for ten minutes.
- (4) The wavelength (nm) is displayed in the middle of the screen.
- (5) The frequency (Hz) is displayed on the top right of the screen.

Press”  “ again to turn off light source.

6. Maintenance

1. Clean the optical connector and adaptor regularly.
2. Use the regulated optical connector for testing.
3. Shut off the power and cover with dust-proof cap after use.
4. Select the power supply within the required voltage range when using AC adapter.
5. Remove the batteries when not used for extended periods of time.

7. Troubleshooting

Problems	Possible reasons	Solution
Faint display on the LCD screen	The battery power is low	Charge or replace the battery.
Unit fails to turn on	Low battery power or the battery is inserted incorrectly	1. Replace the battery.
		2. Re-insert the battery
Optical power is not stable after.		Use it after 15 minute warm-up.

8. Notice

- 8.1 Ensure the connector is clean when tested.
- 8.2 Do not plug in the power supply when batteries are installed.
- 8.3 Do not look into the laser beam when unit is on.
- 8.4 Charge the batteries before using and do not charge in the unit.
- 8.5 Cover with dust-proof cap when it is not in operation.

9. Warranty and service

**Caution: Do not attempt to repair as doing so will void warranty.
18 month warranty for this Optical Power Meter.**

9.1 We warrant that this power meter will be free from defects in material and workmanship for 18 months. Should the device fail at any time during this warranty period, we will, at our sole discretion, replace, and repair or refund the purchase price of the product. The worth of the repair or replacement will not be higher than purchasing price of this unit.

9.2 If the problems occurred cannot be solved by the troubleshooting methods, please contact us or the local distributor directly.

9.3 This warranty is limited to defects in our production, workmanship or material; we will repair or replace the unit free of charge. This warranty only applies to the unit under normal operation without any damage or misuse/abuse.

9.4 The shipping costs incurred by repair or replacement for the unit under warranty will be shared by both parties.