

OPTICAL INSTRUMENTS SERIES

User's Guide to the **PROLITE-55**

Three-wavelength Laser Source



Introduction



The **PROLITE-55** three-wavelength laser source offers excellent stability, portability and facile adjustments for accurate optical fiber testing. Single output connector serves three wavelengths, 1310nm, 1490nm & 1550nm.

PROLITE-55 can be used to test single mode optical fiber of long distance and local network. Also it can work with optical power meter to measure the loss of optical fiber.

Specifications

Model	PROLITE-55
Laser	Class I
Spectral Width	3 nm typical value
Stability (15 min preheat @ 25°C)	± 0.05 dB/15 min ± 0.1 dB/5 h to 1310 nm ± 0.1 dB/15 min ± 0.2 dB/5 h to 1490 nm ± 0.05 dB/15 min ± 0.1 dB/5 h to 1550 nm
CW output power	-5.0 dBm ± 1 dB
Modulated Wavelength	270 Hz, 1 kHz, 2 kHz
Available Connector	SC/APC, ST/APC interchangeable connectors.
Power	2 units of AA rechargeables batteries






General Specifications

Operation Temperature	-10 °C ~ +50 °C
Storage Temperature	-20 °C ~ +70 °C
Humidity	<90%
Size(H×W×D)	160 mm × 76 mm × 45 mm
Weight	0.26 kg (including batteries)

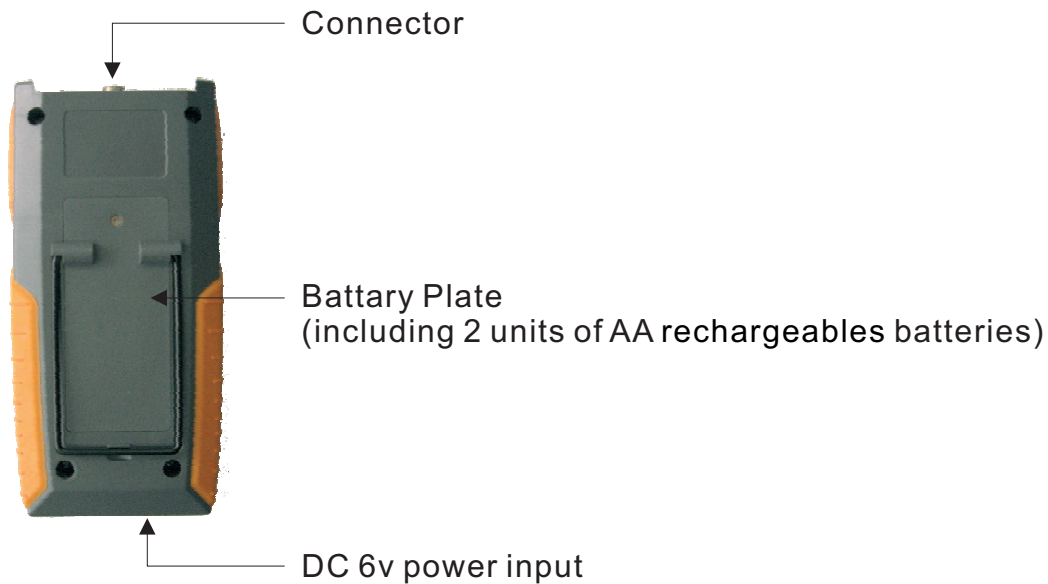
Operation

Front(Panel Board)

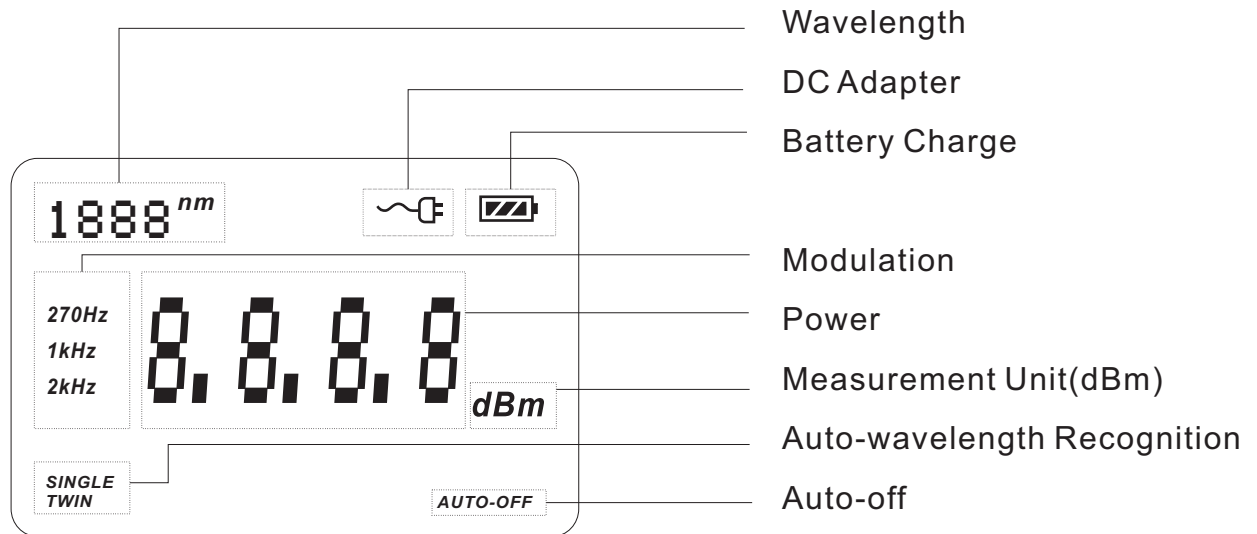


No.	Key	Function
1		Wavelength Shifting Key: Switches working wavelength between 1310nm,1490nm and 1550nm.
2		Modulated Wavelength Shifting Key: Switches modulated wavelength and continuous wavelength.
3		SINGLE: Auto-wavelength recognition is off. TWIN: Auto-wavelength recognition is on.
4		Switches backlighting on/off.
5		Switches Instrument on/off. Long keypress while powering on to activate the instrument without Auto-off function.

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LCD



Maintenance

- ➡ Please disconnect the DC adapter/charger and cover the protective dust cap once you finish using.
- ➡ It is a good idea to clean the connector and the instrument when they get dirty through use. Optical cleaning pads and anhydrous alcohol is recommended. And please be careful not to get the detergent inside the instrument.



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