

User's Guide to the **PROLITE-63B**

Optical Power Meter



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Find the user's manual and software in the download area at: www.promaxelectronics.com



PROLITE-63B



Introduction

The **PROLITE-63B** are full featured palm sized optical power meters designed for use with an optical laser source to perform optical loss measurements on optical fiber cables. The **PROLITE-63B** are lightweight and are controlled by microprocessor. Utilizing state-of-the-art SMT in its manufacture, optical connections to the **PROLITE-63B** are made via the universal adapter interface on the top of the unit. The instrument has 6 working wavelengths to totally satisfy your needs. It can be extensively used in telecommunication projects and other situations where optical power of wavelengths close to infrared ray needs to be measured.



PROLITE-63B

Specifications

Model	PROLITE-63B
Measuring Range (dBm)	-70 ~ +10 a 1550 nm
Frequency Detecting Range	-40 ~ +10 (dBm)
Wavelength Detecting Range	-40 ~ +10 (dBm)
Resolution	0,01
Wavelength (nm)	850/1300/1310/1490/1550/1625
Detector	InGaAs
Precision	±5% ^①
Operating Wavelength (nm)	800 ~ 1700
Power	2*1.2V Ni-MH batteries; AC adapter for continuous use

Note: 1. ± 5% is effective under 1550 nm, CW, 23 °C ±3 °C, humidity 70 %.
 2. AC adapter cannot be used if the instrument is powered by the AA non-dischargeable batteries, otherwise will not be responsible for the trouble caused by the misuse. The discharging time will be different under various operating environment and batteries.

General Specifications

Operation Temperature	-10 °C ~ +50 °C
Storage Temperature	-20 °C ~ +70 °C
Humidity	< 90%
Size(H*W*D)	160 * 76 * 45 mm
Weight	about 265 g



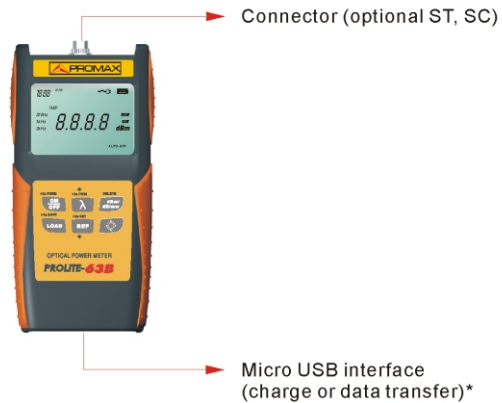
PROLITE-63B

Operation



NO.	Key	Function
1	ON OFF	Switches instrument on / off. Long keypress while powering on to activate the instrument without Auto-off function.
2	λ	Selects measurement wavelength in sequence of 850/1300/1310/1490/1550/1625nm and to activate auto-wavelength recognition(TWIN).
3	dBm/dB/mw	Switches measurement unit among dBm,dB and mw.
4	HOLD	Long keypress for 2s to store the current test value; short keypress to display the record.
5	REF	Short keypress to display reference level of present test wavelength. Long keypress to set a new reference level of present test wavelength.
6	Backlight	Switches backlighting on / off.

Front



*find the equipment's software in the download area at www.promaxelectronics.com

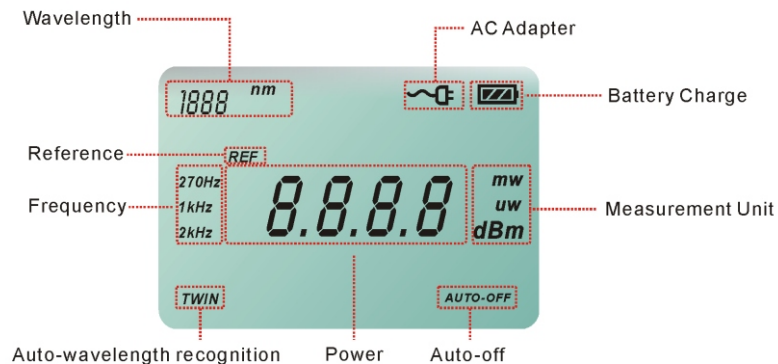
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Safety Information

- Never look directly into optical outputs or a fiber while the equipment is on. Invisible laser beam may damage your eyes.
- Do not short-circuit the terminal of AC adapter / charger and the batteries. Excessive electrical current may cause personal injury due to fumes, electric shock or equipment damage.
- Connect AC power cord with the equipment and wall socket properly. While inserting the AC plug, make sure there is no dust or dirt on the terminals and both plugs are fully seated. Incomplete engagement may cause fuming, electric shock or equipment damage and may result in personal injury.
- Do not operate the equipment near hot objects, in hot environments, in dusty/ humid atmosphere or when condensation is present on the equipment. This may result in electric shock, product malfunction or poor performance.
- Please disconnect the AC 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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