

ST801B Optical Power Multi Meter



Brief Introduction

ST801B Optical Power Multi Meter is the one combining functions of laser source and optical power meter. It can realize the absolute & relative power test and optical loss test. It can be widely operated to for projects of optical telecommunication, CATV system, lab project development, etc.

Main Functions

- Used as both laser source and optical power meter
- Absolute and relative power test
- Single end for dual wavelength output, free switch from 1310 nm and 1550 nm
- Optical loss test
- Under voltage indication
- Auto power off in 10 minutes
- Auto backlight off in 10 seconds
- USB communication




- With real-time clock function, can real-time display the current time, provide recording time for data storage
- Test record storage, up to 1000 groups

Key Features

- Multi wavelengths precise measurement
- Big LCD displaying, and have the real clock
- Multi adapters(FC, SC, ST, LC)
- Absolute power measurement dBm or μ W
- Relative power measurement dB
- Loop test and auto bi-directional test
- Low voltage warning, automatic power off and energy-save design
- High contrast backlit display
- Small size, simple operation

Technical Specifications

<i>Optical power meter module parameters</i>	
Wavelength range (nm)	800~1700 (1310, 1490, 1550, 1625, 850 and 1300)
Detector type	InGaAs
Auto Identify Frequency	270Hz、1KHz、2KHz
Power range (dBm)	-50~+26dBm, -70~+10 dBm
Uncertainty	\pm 5%
Resolution (dBm)	Linearity: 0.1% Logarithm: 0.01
<i>Laser source module parameters</i>	
Emitter type	FP-LD/DFB-LD
Dual working wavelength switch (nm)	1310 \pm 20 1550 \pm 20
Spectral width (nm)	\leq 5
Output optical power (dBm)	\geq -7 0dbm is
Power Stability (dB) (Short time)	\leq \pm 0.05/15min
Power Stability (dB) (Long time)	\leq \pm 0.1/5h
<i>General specifications</i>	
Working temperature (°C)	0~40
Storage temperature (°C)	-10~+60
Weight (kg)	0.2



Dimension (mm)	160×76×28
Battery	7.4V/1000mAh Li- rechargeable battery or AA battery
Battery working duration (h)	≥90 (only optical power meter) ≥24 (optical power meter & laser source)

ST801B series products

ST801B-A	Optical Power Multimeter (laser source+power meter)	-50~+26dBm	FC、ST、SC(for power meter)	850、1300、1310、1550、1490、1625
ST801B-B	Optical Power Multimeter	-50~+26dBm	FC、ST、SC、LC(for power meter)	850、1300、1310、1550、1490、1625
ST801B-C	Optical Power Multimeter	-70~+10 dBm	FC、ST、SC(for power meter)	850、1300、1310、1550、1490、1625
ST801B-D	Optical Power Multimeter	-70~+10 dBm	FC、ST、SC、LC(for power meter)	850、1300、1310、1550、1490、1625