

ST801B-B Optical Power Multimeter



Product description

ST801B-B Optical Power Multi Meter is the one combining functions of laser source and optical power meter. It can realize the absolute and 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 μW
- 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



All product specifications are subject to change without notice to improve reliability, function or design or otherwise.

Opticonnect SYSTEMS B.V., an Optical Networking vendor with its headquarters in the Netherlands, provides Optical Transport solutions and Optical Transceivers at the best price performance ratio possible. Our goal is to simplify the planning, deployment and maintenance of

complex Optical Networks. This is achieved by our user friendly planning apps and information, sophisticated products and transparent support. Relying on our superior product quality, all items are supplied with life time warranty.

Ordering information

ST801B-B	Optical Power Multimeter	-50~+26dBm	FC, ST, SC, LC (for powermeter)	850, 1300, 1310, 1550, 1490, 1625	Adaptors for laser source is FC. Li-ion rechargeable battery. If you need more, let us know before order.
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Bag is optional for carrying easy.

Technical specifications

Optical power meter module parameters	
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	±5%
Resolution (dBm)	Linearity: 0.1% Logarithm: 0.01
Laser source module parameters	
Emitter type	FP-LD/DFB-LD
Dual working wavelength switch (nm)	1310±20 1550±20
Spectral width (nm)	≤5 Output optical power (dBm) ≥-7 0dbm is
Power Stability (dB) (Short time)	≤±0.05/15min
Power Stability (dB) (Long time)	≤±0.1/5h
General specifications	
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)