

## S800 1G/10G PON Power Meter

### Product description:

S800 PON power meter is specially designed for PON network construction and maintenance which can be connected between OLT and ONT. The 1G/10G signal (1270nm, 1310nm, 1490nm/1577nm) can be measured synchronously online and optical power value can be displayed with this meter. It has special burst mode measurement function and you can process accurate burst optical power measurement to upstream PON signal of 1270/1310nm. You can process pass/fail analysis conveniently through multiple user's adjustable threshold of every wavelength. It adopts 32 digits CPU with low power consumption, so the functions are more powerful and rapid. More conveniently measurement for field and equipment site owes to friendly operation interface.



S800

### Features and functions:

- \* Can test 4 wavelengths power of PON system synchronously: 1270nm, 1310nm, 1490nm, 1577nm
- \* Supply 3 groups of threshold values for operator's choice, analyze and display pass/fail status
- \* Relative value (differential loss)
- \* Support storage function
- \* 32 digits CPU, easy to operate, simple and convenient
- \* Auto power off, low voltage power off

### Technical specifications of S800:

Specifications/Model	1270 (upstream)	1310 (upstream)	1490 (downstream)	1577 (downstream)
Standard wavelengths	1270 (upstream)	1310 (upstream)	1490 (downstream)	1577 (downstream)
Pass zone(nm)	1260~1280	1290~1330	1470~1505	1570~1585
Range(dBm)	-30~+10	-30~+10	-45~+10	-45~+10
Isolation 1270nm(dB)		>30	>40	>40
Isolation 1310nm(dB)	>30		>40	>40
Isolation 1490nm(dB)	>40	>40		>40
Isolation 1577nm(dB)	>40	>40	>40	
Uncertainty(dB)	±0.5			
Polarization Dependent Loss (dB)	<±0.25			
Linearity(dB)	±0.1			
Through Insertion Loss(dB)	<1.5			
Resolution	0.01dB			
Unit	dBm/xW			
Storage items	99			
Auto off time	10 minutes			
Battery	7.4V 1000mAh rechargeable Li-ion battery or AA battery			
Continuous working time	10 hours for Li-ion battery, AA battery depend on battery brand, about 8 hours			
Working temperature	-10~50 C			
Storage temperature	-25~70 C			
Dimension (mm)	200*90*43			
Weight (g)	about 330g			