

PSS OPM Series

Optical Power Meter ▶▶▶



Product Introduction

PSS Optical Power Meter uses large area detector for detection, has the advantages of good repeatability, fast sampling rate, good stability, high resolution and large measurement range. The instrument uses a LCD to display the measurement results of all channels synchronously. It is equipped with RS232 communication interface as standard, and GPIB and Ethernet interfaces are optional, which is convenient for users to apply in automatic test systems. The optical power meter is suitable for various occasions that require optical power testing.

Product Application

- Active components, optical transceiver, optical modem testing;
- Insertion loss, return loss, isolation and other indicators testing of passive components;
- Test system calibration;
- Optical power meter calibration.

Product Features

- Repeated test error is small;
- Multi-version dynamic measurement range (+10~-70dBm or +20~-60dBm), supporting analog output;
- Various communication interfaces, support RS232, GPIB, LAN interfaces;
- Multiple calibration wavelengths, which can be customized, arbitrary setting for each

Technical parameters

Parameters	Description/Value		
Model	PSS OPM-S	PSS OPM-D	PSS OPM-N
Number of channels	1	2	4/8/12/16
Wavelength range (nm)	850~1700		
Calibration wavelength (nm)	850、1270、1290、1310、1330、1490、1550、1570、1577 (Special wavelengths can be customized according to user needs)		
Detector type	InGaAs		
Measuring range	Version 1: -70~+10dBm (1310、1490、1550), -60~+10dBm (850nm) Version 2: -60~+20dBm (1310、1490、1550), -50~+20dBm (850nm)		
Display resolution	0.001dB		
Uncertainty	±0.1dB (-70~+10dBm)		
Linearity	0.05dB		
Optical interface	FC、SC、LC、Universal connect		
Programmed mode	RS232 / GPIB / LAN		
Operation temperature	0~+40°C		
Power supply	AC 100V-220V, 50Hz		
Size	200×183×97mm	200×183×97mm	250*300*120mm