

PM2006 PC 控制高速光功率计

PM2006 High Speed Optical Power Meter Module

产 品 规 范

Specification



概述 Descriptions

PM2006 高速光功率计可测量所连接光纤发射出的光功率值，采样周期达到 μS 级别，可更快速地采集和处理数据。该功率计模块采用 USB 通讯接口，直接与 PC 机进行通讯，通过配置软件查看数据以及设置参数。

PM2006 Optical Power Meter measures the power emitted from a connected single-mode fiber. Its sampling period achieves microsecond (μs) level, and more quickly collects and processes the data.

The power meter module uses 3x4 PD chip largest professional automation test for light faster and more accurate. This Optical Power Meter is equipped with a USB port for communication with PC, and the user can view measured values and set the operating parameters via the factory configuration software.

PM2006 高速光功率计模块可用于高精密波分复用 DWDM 元件，光波导光栅阵列 AWG 元件，平面光波导 PLC 元件，WSS，OPM，DPSK，光放大器 EDFA 和其它通用的光纤的光学测量应用。

The PM2006 Optical Power Meter is a base measurement instrument for Tele-com and the characterization and feature evaluation of optical fiber and optical cable, optical passive component. It offers superior performance in testing DWDM components, AWG & PLC components, optical amplifiers, and performing other general-purpose fiber optical test and measurement applications.

相较于普通的功率计，PM2006 具有高速采样的特点，并且外形小巧、适用于组装成多通道光功率计采样系统。

The PM2006 Optical Power Meter features high-speed sampling and compact dimension, it specifically suits to be integrated into a multi-channel power meter sampling system.

性能特点 Features

Fast startup, High accuracy

启动快速、测量精度高

Wide dynamic power range

宽动态功率测量范围

PC Configuration software

PC 机软件控制

USB Communication

USB 通讯接口，高速便捷

Compact size Competitive price

价格实惠

应用范围 Applications

WDM, AWG, GFF, PLC components tests

WDM, GFF, AWG, PLC 器件测试

Insertion Loss, Return Loss

插损，回损测量

Fiber sensor and fiber cable tests

光纤传感器，光纤电缆测试

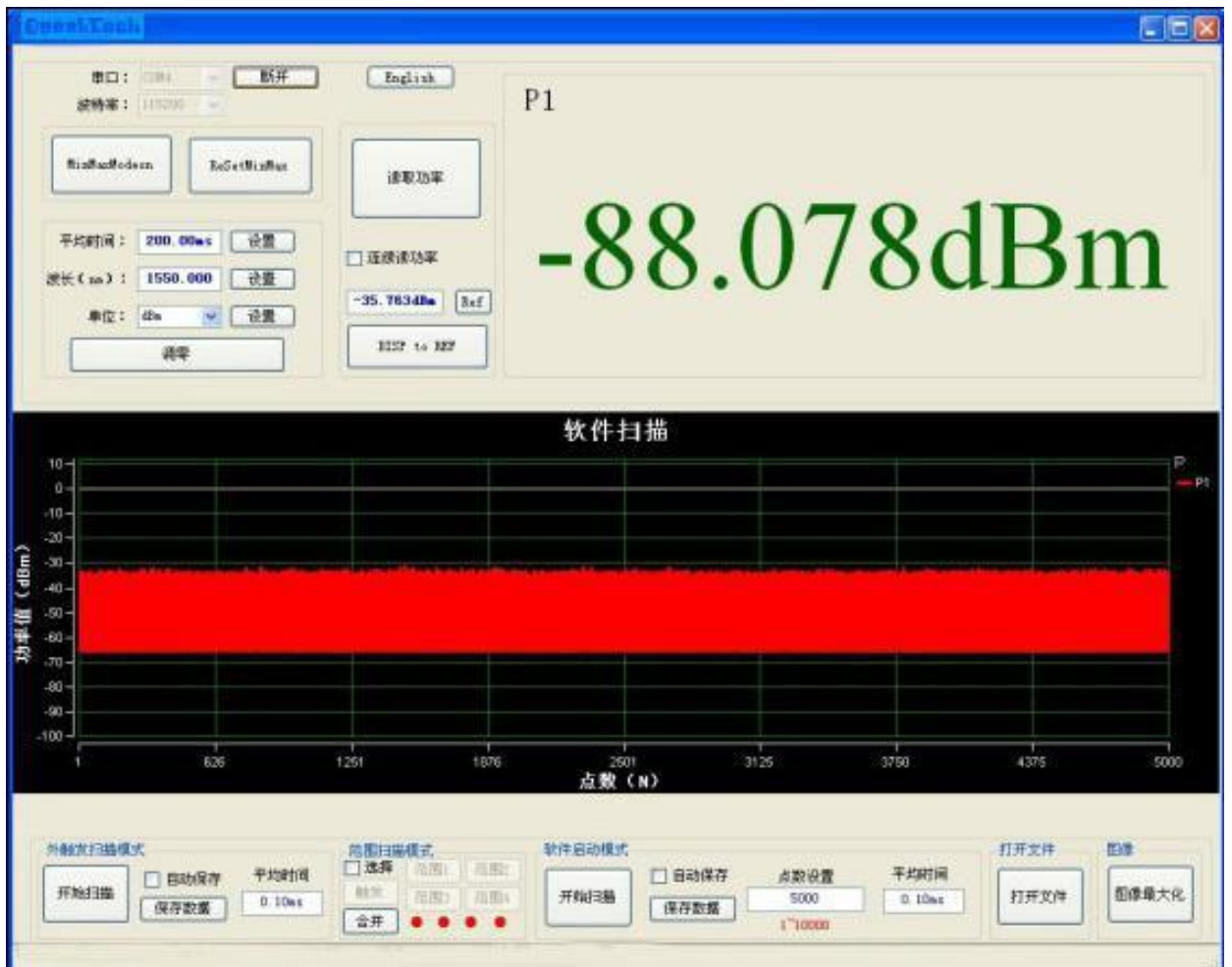
PMD and PDL measurements

偏振模色散 PMD 和偏振相关损耗 PDL 测量

Fiber optical, telecom R&D lab tests

光纤，通讯 R&D 实验室测试

软件界面 PC Configuration Software Monitoring Interface:



性能指标 Specifications

型号 Model	PM2006/1	PM2006/2
探测器类型 Sensor Element	Single Channel InGaAs	
波长范围 operating Wavelength Range	850 ~ 1700 nm	
功率范围 Power Range	+ 3 ~ -85dBm	+ 23 ~ -65 dBm
采样周期 Sampling Period	≥0.01ms	
光纤类型 Application Fiber Type	Standard SM and MM up to 62.5 um core size	
绝对精度 Uncertainty (accuracy) at reference condition	± 4% (1200 nm ~ 1610 nm)	
相对精度 Relative Uncertainty(accuracy) at reference condition	< 0.02 dB Typical	
功率线性度 Power Linearity	≤ ± 0.02 dB (1200 nm ~ 1610 nm, + 0 ~ -60 dBm)	
回损 Return Loss	> 40 dB	
校准周期 Recalibration Period	2 years	
光输入接口 Optical Interface	FC/PC connector or bare fiber fixture	
通信接口 Communication Interface	USB (500mA)	
工作温度 Operating Temperature	0 ~ +40°C	
存储温度 Storage Temperature	-30 ~ +80°C	
外形尺寸 Dimensions	PM2006 55mmH, 70 mmW, 150 mmD	

技术支持和服务

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