

LPM-20激光功率计

LPM-20 laser power meter

- LPM-20主要用于激光功率测量，适用于准直激光和光束发散的激光产品，偏振误差小，测量精度高。系统设计便于对准安装，且体积小方便携。

LPM-20 is mainly used for laser power measurement. It is suitable for collimating laser and laser products with divergent beams. It has small polarization error and high measurement accuracy. The system is designed for easy alignment and installation, and is compact and portable.



技术参数 Specifications

- 采样速度高达100kHz，适用于脉冲波形测量。
The sampling speed is up to 100kHz, which is suitable for pulse waveform measurement.
- 积分球探测器，无偏振误差，且易于对准。
Integrating sphere detector, no polarization error, and easy to align.
- 适用于准直激光和发散光源的功率测量。
Suitable for power measurement of collimated laser and divergent light source.

技术参数 Specifications

- 光谱范围：380-1000nm；
Spectral range: 380-1000nm;
- 内置CIE A、D和LED照明体等在内的数十种标准光谱，且支持客户自定义目标光谱的匹配输出；
Built in dozens of standard spectra, including CIE A, D and LED illuminants, and support the matching output of customer defined target spectra;

技术参数 Specifications● **关键指标:**

Key indicators:

- 1) 测量光谱范围: 800-1000nm;
1) Measuring spectrum range: 800-1000nm;
- 2) 半峰带宽: 0.2nm;
2) Half peak bandwidth: 0.2 nm;
- 3) 波长准确度: 0.05nm;
3) Wavelength accuracy: 0.05nm;
- 4) VCSEL测量专用脉冲电源, 可实现程控脉冲输出, 脉冲宽度、占空比均可调;
4) VCSEL special pulse power supply for measurement can realize programmed pulse output, and the pulse width and duty cycle can be adjusted;
- 5) 脉冲宽度: $100\ \mu s\sim 30ms$;
5) Pulse width: $100\ \mu s\sim 30ms$;
- 6) 占空比: 1%~10%;
6) Duty cycle: 1%~10%;
- 7) 脉冲恒流测量范围: 0~5A;
7) Pulse constant current measurement range: 0~5A;
- 8) 脉冲电压测量范围: 0~5V;
8) Pulse voltage measurement range: 0~5V;
- 9) 最大输出能力: 5A/5V;
9) Maximum output capacity: 5A/5V;
- 10) 电压电流测量准确度: 0.2%读数+0.1%量程.
10) Voltage and current measurement accuracy: 0.2% reading+0.1% measuring range
- 11) FOV角度范围: $(\pm 75^\circ) * (\pm 75^\circ)$;
11) FOV angle range: $(\pm 75^\circ) * (\pm 75^\circ)$;
- 12) 测量距离: 250mm.
12) Measuring distance: 250mm