

PMS-2000 紫外-可见-近红外光谱分析系统

PMS-2000 ultraviolet visible near-infrared spectrum analysis system

- 采用独特的同轴对称双单色仪技术，使其性能远远优于传统的单单色仪机械扫描光谱仪，且彻底消除了两个光栅的扫描同步误差，具有极高的杂散光控制水平和波长精度
- 常适合于对精度要求很高的实验室或者科研机构中
- The unique coaxial symmetric double monochromator technology is adopted, which makes its performance far superior to the traditional single monochromator mechanical scanning spectrometer, and completely eliminates the scanning synchronization error of the two gratings, with extremely high stray light control level and wavelength accuracy
- It is often suitable for laboratories or scientific research institutions with high precision requirements

同轴对称双单色仪技术工作原理：

被测光线经过入射狭缝进入双单色仪系统，从第一单色仪出射的光通过中间狭缝后又被第二单色仪分光，经两级光栅分光后的单色光由出射狭缝射出，并被探测器接收和测量。本系统中，双光栅同轴对称设置，实现天然同步，避免了机械同步带来的误差，具有极高的波长精度。

Working principle of coaxial symmetric double monochromator technology:

The measured light enters the dual monochromator system through the incident slit. The light emitted from the first monochromator passes through the middle slit and is then split by the second monochromator. The monochromatic light after being split by the two-level grating is emitted from the exit slit and received and measured by the detector. In this system, double gratings are set symmetrically on the same axis to realize natural synchronization, avoid the error caused by mechanical synchronization, and have high wavelength accuracy.



技术参数 Specifications

- 波长范围：200nm~800nm；
- 波长准确度：0.2nm；
- 波长重复性：0.1nm；
- 光谱采样间隔：0.1nm, 1nm, 5nm可选；
- 色温测量范围：1000K~100000K；
- 系统光度线性：0.3%；
- 光通量测量范围：0.01lm~ 1.9999×10^5 lm(需适当的积分球配合)；
- 杂散光：10E-08