PCE-2000UV紫外光源辐射测试系统
PCE-2000UV ultraviolet light source radiation test system

- 可实现毫秒级测量速度，科学级测量精度
  Achieve millisecond measurement speed and scientific measurement accuracy
- 200-450nm紫外专用测试波段，紫外灵敏度更高，测量精度高
  200-450nm UV special test band, with higher UV sensitivity and high measurement accuracy
- 采用杂散光校正技术，可实现极低杂散光水平
  Adopt stray light correction technology to achieve extremely low stray light level
- 国内无同类高精度毫秒级快速光谱辐射计
  There is no similar high-precision millisecond fast spectroradiometer in China



特点与优势 Characteristics and advantage

- 1）可用于测量紫外光源的相对光谱功率分布，峰值波长、半宽度、ABC各波段的光谱辐通量、特定波段内总辐射通量等参数；
  1) It can be used to measure the relative spectral power distribution, peak wavelength, half width, spectral radiant flux in each band of ABC, total radiant flux in a specific band and other parameters of the ultraviolet light source;
- 2）光谱分析法是理想的数字积分方法，不受被测光源光谱分布和探测器响应带宽函数的影响，是高精度紫外辐射通量测量方法；
  2) Spectral analysis is an ideal digital integration method, which is not affected by the spectral distribution of the measured light source and the response bandwidth function of the detector. It is a high-precision ultraviolet radiation flux measurement method;

技术参数 Specifications

- 积分时间：9ms-60s；
  Integration time: 9ms-60s;
- 输入方式：紫外光纤；
  Input mode: ultraviolet optical fiber;
- 波长范围：200nm-450nm；
  Wavelength range: 200nm-450nm;
- 波长准确度：0.1nm；
  Wavelength accuracy: 0.1nm;
- 积分球规格：Φ1.5m，紫外专用涂层；
  Specifications of integrating sphere: Φ 1.5m, ultraviolet special coating;
- 配套附件：紫外专用标准光源、数字功率计、交流变频电源等。
  Supporting accessories: special ultraviolet standard light source, digital power meter, AC variable frequency power supply, etc.