ATA-500UV LED自动温控光电分析测量系统-紫外
ATA-500UV LED automatic temperature control photoelectric analysis and measurement system - ultraviolet

- 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
- 可分析紫外LED封装在不同壳温/结温下的综合特性,测试功能强大
  It can analyze the comprehensive characteristics of UV LED packages at different shell/junction temperatures, and has powerful test functions
- 可实现脉冲模式和恒流模式测量功能 获美国发明专利授权（专利号：US 7,978,324 B2）
  It can realize the measurement function of pulse mode and constant current mode

特点与优势 Characteristics and advantage

- 1）用于测试并分析紫外LED封装在不同壳温/结温下的综合特性：相对光谱功率分布，峰值波长、半宽度、ABC各波段的辐射通量、特定波段内总辐射通量等参数；
  1) It is used to test and analyze the comprehensive characteristics of UV LED packaging at different shell/junction temperatures: relative spectral power distribution, peak wavelength, half width, radiation flux in each band of ABC, total radiation flux in a specific band and other parameters;
- 2）配套LED专用脉冲直流电源，可实现LED的瞬态光学特性测量（脉冲测量）及稳态光学特性测量（直流测量）；
  2) Equipped with special pulse DC power supply for LED, it can realize the measurement of LED's transient optical characteristics (pulse measurement) and steady-state optical characteristics (DC measurement);

技术参数 Specifications

- 积分时间：9ms-60s；
  Integration time: 9ms-60s;
- 输入方式：石英光纤；
  Input mode: quartz optical fiber;
- 波长范围：200nm-450nm；
  Wavelength range: 200nm-450nm;
- 波长准确度：0.1nm；
  Wavelength accuracy: 0.1nm;
- 温控夹具控温方式：TEC自动控温，精度±0.5℃；
  Temperature control mode of temperature control fixture: TEC automatic temperature control, accuracy ± 0.5 ℃;
- 被测LED模块最大尺寸：外径50mm；
  Maximum size of tested LED module: outer diameter 50mm;
- 配套附件：紫外专用反射率涂层的积分球、配套紫外专用标准光源及电源。
  Supporting accessories: integrating sphere of UV special reflectivity coating, supporting UV special standard light source and power supply.