

SL-1000 无影灯光色测试系统 SL-1000 shadowless lamp light color test system

- SL-1000无影灯光色测试系统是针对手术无影灯设计专业光色测试系统，主要包括紫外-可见-近红外光谱分析系统、石英光纤、无影灯专用取样器、光敏面满足标准要求的高精度光度探测器、光学标准定标系统、专用测试软件。它主要用于手术无影灯的辐照度、照度、光谱功率分布、色坐标、显色指数等光色度的测量，参考YY0627-2008手术无影灯和诊断用照明灯安全要求等标准。

SL-1000 shadowless lamp light color test system is a professional light color test system designed for surgical shadowless lamps, mainly including ultraviolet visible near-infrared spectrum analysis system, quartz fiber, special sampler for shadowless lamps, high-precision photometric detectors with photosensitive surfaces meeting the standard requirements, optical calibration system, and special test software. It is mainly used for the measurement of irradiance, illuminance, spectral power distribution, color coordinates, color rendering index and other light chromaticity of surgical shadowless lamps. Refer to YY0627-2008 Safety Requirements for Surgical Shadowless Lamps and Diagnostic Lamps and other standards.



技术参数 Specifications

- 1) 基本测量功能：测试相对光谱功率分布，色品坐标，主波长，峰值波长，光谱纯度，色温，显色指数，半宽度，红色比，色容差、照度、300-2500nm的红外辐射照度，等参数，满足国际照明委员会CIE对光和颜色测量要求；
1) Basic measurement function: test the relative spectral power distribution, chromaticity coordinates, dominant wavelength, peak wavelength, spectral purity, color temperature, color rendering index, half width, red ratio, color tolerance, illuminance, 300-2500nm infrared radiation illuminance and other parameters to meet the CIE requirements for light and color measurement;
- 2) 波长范围：200nm-800nm；
2) Wavelength range: 200nm-800nm;
- 3) 波长准确度：0.2nm；
3) Wavelength accuracy: 0.2nm;
- 4) 色品坐标准确度：0.0004（相对于稳定度优于±0.0001的标准光源和NIM传值）；
4) Chromaticity standard accuracy: 0.0004 (relative to the standard light source with stability better than ± 0.0001 and NIM value transfer);
- 5) 杂散光：10E-8；
5) Stray light: 10E-8;
- 6) 接收器有效灵敏面：满足YY0627-2008标准要求；
6) Effective sensitive surface of receiver: meet the requirements of YY0627-2008 standard;
- 7) 光度探测器的匹配精度：标准级
7) Matching accuracy of photometric detector: standard level
- 8) 照度测量范围：0.01-200klx；
8) Illuminance measurement range: 0.01-200klx;
- 9) 辐照度测试范围为：0-2000W/m²；
9) Irradiance test range: 0-2000W/m²;
- 10) 配光学标准定标系统，用于系统的色温（光谱）定标（量值传递）。4、通讯接口：RS-232-C；
10) Equipped with optical standard calibration system, it is used to calibrate the color temperature (spectrum) of the system (value transfer).