

USR-200 紫外光谱辐射照度计/UV能量计 USR-200 ultraviolet spectral radiometer/UV energy meter

- USR-200 紫外光谱辐射照度计集光谱、辐照度测试功能于一体，采用多项国际专利技术，领携移动光谱测量技术，广泛应用于紫外光源的消毒杀菌、光照治疗、老化、探伤、光刻、光固化、育种、植物栽培等领域的测量。

The USR-200 ultraviolet spectral irradiance meter integrates spectrum and irradiance testing functions. It adopts a number of international patented technologies, and leads mobile spectral measurement technology. It is widely used in the measurement of ultraviolet light source disinfection and sterilization, light treatment, aging, flaw detection, photolithography, light curing, breeding, plant cultivation and other fields.



特点与优势 Characteristics and advantage

- 1) 采用光谱法测量紫外光源的相对光谱功率分布，峰值波长，半峰带宽，UVB波段、UV310波段、UVC波段（UV254nm）的光谱辐照度值，240-400nm内任意特定波段内总辐照度等参数，不受被测光源光谱分布和探测器响应带宽函数的影响，测量精度高；

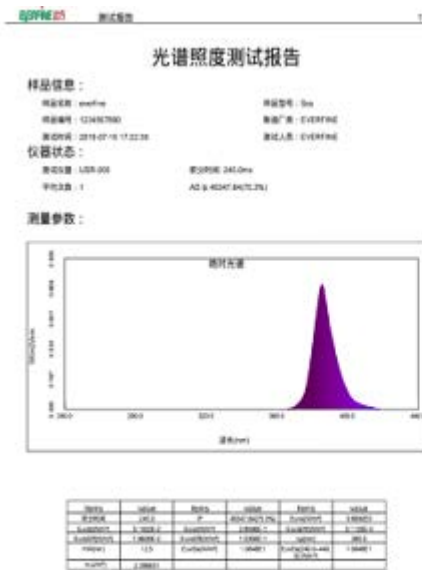
1) The relative spectral power distribution, peak wavelength, half peak bandwidth, spectral irradiance values in UVB band, UV310 band, UVC band (UV254nm), total irradiance in any specific band within 240-400nm and other parameters of the ultraviolet light source are measured by spectral method, which are not affected by the spectral distribution of the measured light source and the response bandwidth function of the detector, and the measurement accuracy is high;

- 2) 测试数据在4.3寸彩色电容触控屏上显示，探测器和触摸屏的测试数据通过蓝牙连接，既方便用户读取数据和查看，又有效避免紫外辐射对人体的影响。

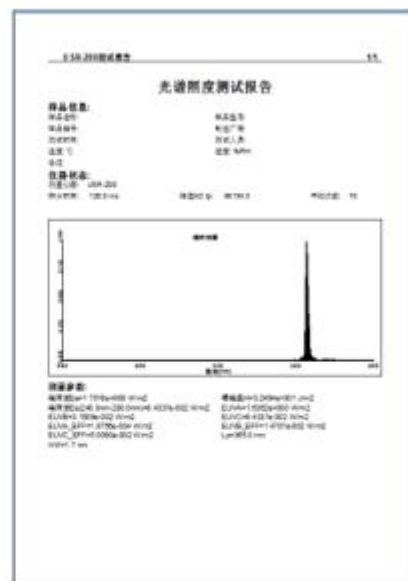
2) The test data is displayed on the 4.3 inch color capacitive touch screen. The test data of the detector and the touch screen are connected through Bluetooth, which not only makes it convenient for users to read and view the data, but also effectively avoids the impact of ultraviolet radiation on the human body.

测试报告：

Test report:



安卓端测试报告



PC端测试报告

技术参数 Specifications

- 波长范围：240-400nm
Wavelength range: 240-400nm
- 波长精度：0.3nm
Wavelength accuracy: 0.3nm
- 半峰带宽：1±0.5nm
Half peak bandwidth: 1 ± 0.5nm
- 测试范围：
0.02 mW/cm²- 2000 mW/cm² @275nmLED
0.02 mW/cm²- 2000 mW/cm² @370nmLED
0.2 μW/cm²- 20000 μW/cm² @低压汞灯
Test scope:
0.02 mW/cm²- 2000 mW/cm² @275nmLED
0.02 mW/cm²- 2000 mW/cm² @370nmLED
zero point two μW/cm²- 20000 μW/cm² @ Low pressure mercury lamp
- 通讯：蓝牙通讯
Communication: Bluetooth communication
- 供电方式：锂电池
Power supply mode: lithium battery
- 备注：测试需在暗室条件下进行。
Remarks: The test shall be carried out in a dark room.