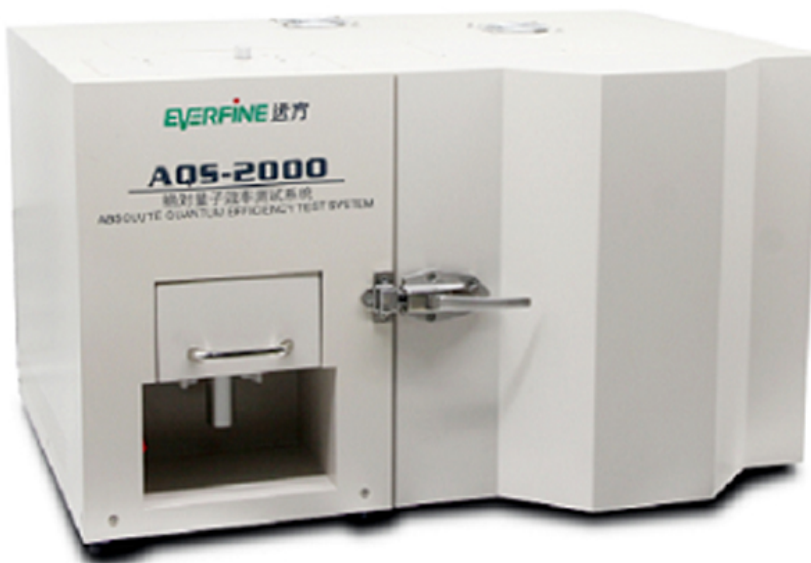


AQS-2000 绝对量子效率测试系统

AQS-2000 Absolute Quantum Efficiency Testing System

- AQS-2000绝对量子效率测试系统适用于粉末、薄膜、液体样品的光致发光、电致发光器件的外量子效率、发光效率、光谱、激发光谱、荧光光谱、颜色、荧光光子数、出射光子数等的测量，广泛应用于荧光粉、量子点、有机发光材料、有机金属化合物、荧光探针等领域。

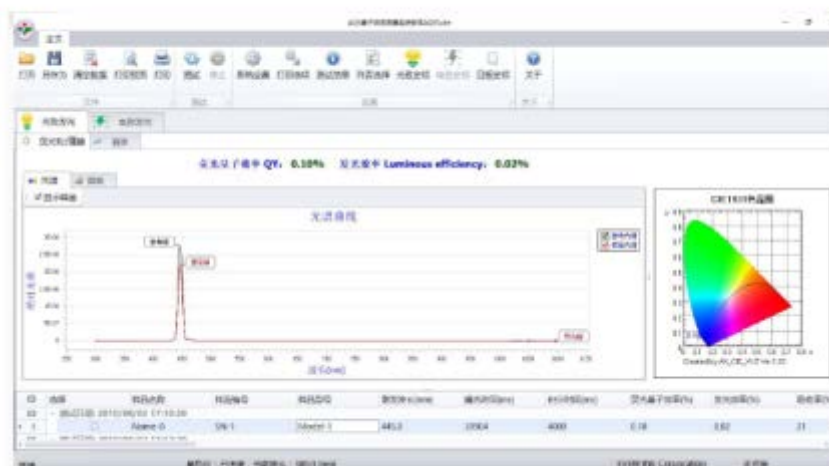
AQS-2000 absolute quantum efficiency testing system is applicable to the measurement of photoluminescence of powder, film and liquid samples, external quantum efficiency of electroluminescent devices, luminous efficiency, spectrum, excitation spectrum, fluorescence spectrum, color, fluorescent photon number, outgoing photon number, etc., and is widely used in the fields of fluorescent powder, quantum dots, organic light-emitting materials, organic metal compounds, fluorescent probes, etc.



特点与优势 Characteristics and advantage

- 多种夹具及工装适合于薄膜、液体、粉状物等样品的测试
A variety of fixtures and tooling are suitable for testing film, liquid, powder and other samples
- 高性能的光谱仪保证了测试的高动态范围及高信噪比
High performance spectrometer ensures high dynamic range and high signal-to-noise ratio
- 毫秒级速度测量发射光谱，内置快门可有效控制样品的曝光时间
Millisecond speed measurement emission spectrum, built-in shutter can effectively control the exposure time of samples
- 光致发光测试可以实现激发波长的自动控制
Photoluminescence test can realize automatic control of excitation wavelength
- 智能化、多功能分析软件
Intelligent and multi-functional analysis software

典型测试界面：



技术参数 Specifications

- 可测量参数
Measurable parameters
- 激发态扫描测试
Excited state scanning test
- 激发光谱及发射光谱对比分析
Comparative analysis of excitation spectrum and emission spectrum
- 致发光器件及电致发光器件的量子效率的计算分析
Calculation and analysis of quantum efficiency of light-emitting devices and electroluminescent devices
- 光谱功率分布及颜色参数的计算分析
Calculation and analysis of spectral power distribution and color parameters

型号	AQS-2000
激发光源	
激发光谱范围	200 ~ 800nm
激发波长精度	±0.3nm
光谱测量	
光谱范围	350 ~ 1000nm
波长测量精度	±0.3nm
色品坐标准确度	±0.0003（标准 A 光源下）
色品坐标重复性	±0.00015x, ±0.0002y（恒温蓝光 LED）
激发/观察条件	CIE 0/D