

积分球 Integrating sphere

- 规格: $\varnothing 0.3\text{m}$ 、 $\varnothing 0.5\text{m}$ 、 $\varnothing 1.0\text{m}$ 、 $\varnothing 1.5\text{m}$ 、 $\varnothing 1.75\text{m}$ 、 $\varnothing 2.0\text{m}$ 、 $\varnothing 2.5\text{m}$ 、 $\varnothing 3.0\text{m}$ 、特殊定制规格;
- 控温方式: 环境控温、自动恒温;

Specifications: $\varnothing 0.3\text{m}$ 、 $\varnothing 0.5\text{m}$ 、 $\varnothing 1.0\text{m}$ 、 $\varnothing 1.5\text{m}$ 、 $\varnothing 1.75\text{m}$ 、 $\varnothing 2.0\text{m}$ 、 $\varnothing 2.5\text{m}$ 、 $\varnothing 3.0\text{m}$, special customized specifications;

Temperature control mode: environmental temperature control, automatic constant temperature;



技术参数 Specifications

- 涂层: 远方专有诗贝伦SPEKTRON涂层, 特殊喷涂工艺, 漫射性能良好, 具有平坦的光谱反射率曲线特性, 易清洁, 日久不发黄, 长久稳定性好;

Coating: the remote proprietary SPEKTRON coating, with special spraying process, has good diffusion performance, flat spectral reflectance curve characteristics, easy to clean, no yellowing for a long time, and good long-term stability;

- 涂层反射率: R98反射率、R80反射率、UV紫外高反射率;
- Reflectivity of coating: R98 reflectivity, R80 reflectivity, UV high reflectivity;

- 测试方式: 4π 结构: 被测灯具安装在球中心;

2π 结构: 被测灯具安装在球侧面、球顶部。

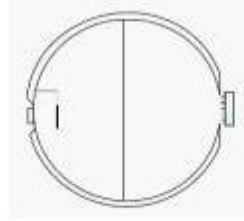
Test mode: 4π structure: the tested lamp is installed in the center of the ball;

2π structure: the tested lamp is installed on the side and top of the ball

技术参数 Specifications



4π结构



2π结构



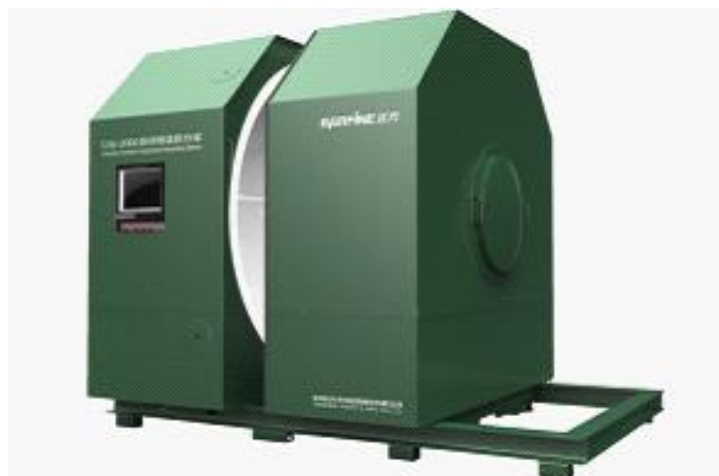
2π结构

- 国家标准GB/T 24824《普通照明用LED模块测试方法》推荐的三种积分球结构
Three integrating sphere structures recommended in the national standard GB/T 24824 Test Methods for LED Modules for General Lighting
- 自动恒温积分球：
恒温积分球对高性能光源或SSL产品测量时实现精确温度控制，在稳定温度条件下测试光色电相关参数。采用独特的双层球体结构设计，能精密控制和调节积分球内温度，并确保球内气流自然稳定，不直吹被测光源。控温更均匀，更稳定。

Automatic thermostatic integrating ball:

The thermostatic integrating sphere can achieve accurate temperature control when measuring high-performance light sources or SSL products, and test the relevant parameters of photochromic electricity under stable temperature conditions.

The unique double-layer sphere structure design can precisely control and adjust the temperature in the integrating sphere, and ensure that the airflow in the sphere is naturally stable and does not directly blow the measured light source. Temperature control is more uniform and stable.



特点与优势 Characteristics and advantage**● 旋转积分球：**

旋转积分球用于被测光源、灯具在不同测量位置进行高精度光色电测试。

该积分球可 2π （侧开孔）或 4π （球中心）进行测试， 2π 开口可以在旋转范围（ $\pm 90^\circ$ ）内任意位置进行 2π 测量，以满足各类光源、灯具的测试姿态要求。

Rotate the integrating ball:

The rotary integrating sphere is used for high-precision photochromic and electrical testing of the measured light source and lamp at different measuring positions.

The integrating sphere can be tested by 2π (side opening) or 4π (center of the sphere). The 2π opening can be measured at any position within the rotation range ($\pm 90^\circ$) to meet the test attitude requirements of various light sources and lamps.

