

RGO-2000P 植物照明机器人分布测试系统 RGO-2000P Distribution Testing System for Plant Lighting Robot

- 基于机器人分布式光度计的高自由度，低至10cm距离下的PPFD准确测量
- 基于植物照明的特点，全面测量评价植物照明灯空间光分布性能的解决方案
- 远方植物光子通量密度分布测试系统包括灯具工作转台、机器人以及植物光谱光合辐射计，可根据实际需求，对植物生长灯空间不同位置的光照性能进行测量分析。

High degree of freedom based on robot distributed photometer, accurate measurement of PPFD at a distance as low as 10cm

Based on the characteristics of plant lighting, comprehensively measure and evaluate the solution of spatial light distribution performance of plant lighting

The remote plant photon flux density distribution testing system includes lamp turntable, robot and plant spectral photosynthetic radiometer, which can measure and analyze the light performance of different positions in the plant growth lamp space according to the actual needs.



特点与优势 Characteristics and advantage

- 测量光谱光子分布和光谱功率功率分布;
Measurement of spectral photon distribution and spectral power distribution;
- 分析得到空间不同距离处的光量子通量密度PPFD分布;
Analyze and obtain the distribution of light quantum flux density PPFD at different distances in space;
- 测量分析植物照明灯的空间光谱分布特性;
Measure and analyze the spatial spectral distribution characteristics of plant lamps;
- 测量植物光照灯的总光子通量以及总辐射通量。
Measure the total photon flux and total radiation flux of the plant light.

技术参数 Specifications

- 1)测试距离：0.1m-3m，特殊可定制;
1) Test distance: 0.1m-3m, specially customizable;
- 2)最大测试面积：直径Φ1000mm，特殊可定制;
2) Maximum test area: diameter Φ 1000mm, specially customizable;
- 3)波长测试范围：350nm~800nm;
3) Wavelength test range: 350nm~800nm;
- 4)波长准确度：0.3nm
4) Wavelength accuracy: 0.3nm