

GO-2000 分布光度计 GO-2000 distribution photometer

- 属灯具旋转式分布光度计（卧式分布光度计），系统采用探测器静止，转动光源或灯具的方式；

It belongs to the rotary distribution photometer of lamps (horizontal distribution photometer), and the system adopts the method of stationary detector and rotating light source or lamps;

- 可同时实现CIE标准 B- β 和C- γ 测量方案；

Can realize CIE standard B at the same time- β And C- γ Measurement scheme;

- 实现对光源或灯具空间各个方向上的光强测量；

Measurement of light intensity in all directions of light source or lamp space;

- 实现灯具空间颜色分布、平均颜色特性及空间颜色不均匀性测量（选配）；

Realize the measurement of space color distribution, average color characteristics and space color non-uniformity of lamps (optional);

- 性价比高，占用空间相对较小。

High cost performance and relatively small space.



技术参数 Specifications

● 基本工作原理：

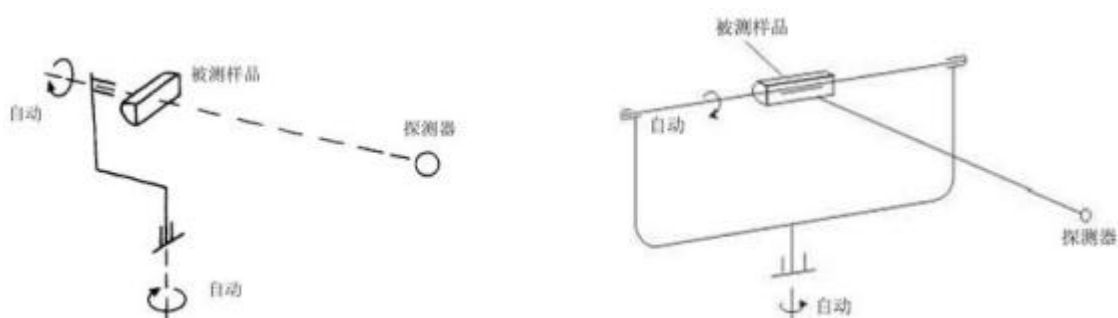
GO-2000可同时实现CIE标准 B- β 和C- γ 测量方案。在测试过程中，探头保持静止，灯具绕垂直轴和水平轴转动，从而得到整个空间的光强分布。

原理图如下：

Basic working principle:

GO-2000 can realize CIE standard B at the same time- β And C- γ Measurement scheme. During the test, the probe remains stationary, and the lamp rotates around the vertical axis and horizontal axis to obtain the light intensity distribution in the whole space.

The schematic diagram is as follows:



● 技术特性：

卧式分布光度计本身结构比较简单，易于实现高角度精度。相对立式分布光度计，对暗室空间要求低，成本较低。但是无论是白炽灯、荧光灯、金卤灯，还是其它光源，灯的燃点姿态变化会造成被测光源发光的波动，使测量精度受到影响。对于气体放电灯，这种影响十分明显，通常会达到百分之几的水平，严重的会超过百分之十。对于固体发光光源，如LED产品，燃点姿态变化不会直接影响光源发光，但姿态变化会影响被测光源的散热、而散热对于很多LED产品十分重要，因此固体发光光源的测量精度也会受到燃点姿态的影响。

Technical characteristics:

The horizontal distribution photometer has a simple structure and is easy to achieve high angle accuracy. Compared with the vertical distribution photometer, it has low requirements on the darkroom space and low cost. However, whether it is incandescent lamp, fluorescent lamp, metal halide lamp or other light sources, the change of the burning point attitude of the lamp will cause the fluctuation of the light emission of the measured light source, which will affect the measurement accuracy. For gas discharge lamps, this effect is very obvious, usually reaching a few percent level, and more than 10 percent in serious cases. For solid light sources, such as LED products, the change of burning point attitude will not directly affect the light source's emission, but the change of attitude will affect the heat dissipation of the measured light source, which is very important for many LED products. Therefore, the measurement accuracy of solid light sources will also be affected by the burning point attitude.

技术参数 Specifications

◆ 主要技术指标:

Main technical indicators:

- 被测灯具可绕垂直轴和水平轴转动，转动范围：±180°

The tested lamp can rotate around the vertical axis and horizontal axis within ± 180 °

- 角度精度：最高0.05°

Angle accuracy: max. 0.05 °

- 光度探头：CLASS L($f1' \leq 1.5\%$)或 CLASS A($f1' \leq 3\%$)、精密恒温、前置放大

Photometric probe: CLASS L ($f1' \leq 1.5\%$) or CLASS A ($f1' \leq 3\%$), precision constant temperature, pre amplifier

- 光度测量范围：0.0001lx-200klx

Photometric measurement range: 0.0001lx-200klx

- 光度精度：标准级

Photometric accuracy: standard level

- 精密、稳定机械结构，转动平稳，低噪声，旋转可由遥控器、转台控制器或计算机软件控制，智能化程度高，操作简单。

Precise and stable mechanical structure, stable rotation, low noise, rotation can be controlled by remote controller, turntable controller or computer software, with high intelligence and simple operation.

- 灯具安装带激光对准，精度更高，被测灯具波动自动补偿功能，测试结果可直接作为国际通用的照明设计软件的输入数据，符合CIE、IESNA等国际国内标准要求。

The installation of lamps is equipped with laser alignment, which has higher accuracy. The tested lamps have the function of automatic compensation for fluctuations. The test results can be directly used as the input data of international general lighting design software, and meet the requirements of CIE, IESNA and other international and domestic standards.

技术参数 Specifications

- 技术文件格式：
Format of technical documents:
- *.GOS 远方GO-R系列产品光度数据文件格式
GOS Remote GO-R Series Product Photometric Data File Format
- *.CIE CIE文件格式
*. CIE CIE file format
- *.CEN CEN文件格式
.CEN CEN file format
- *.IES IESNA 北美标准格式
. IES IESNA North American Standard Format
- *.Tm14 TM14 文件格式(英国标准)
Tm14 TM14 file format (British standard)
- *.CIB CIBSE 文件格式
.CIB CIBSE file format
- *.EUT EULUMDAT 文件格式 (德国标准)
*. EUT EULUMDAT file format (German standard)

