

## GO-R5000高精度交通及车用灯总光通量测试系统

### GO-R5000 high-precision total luminous flux test system for traffic and vehicle lamps

- 采用国际公认最准确方法（照度积分法）测量各种尺寸光源和交通灯的总光通量，满足CIE84绝对总光通量测量要求，照度计分法也是多数发达国家建立总光通量国家基准的方法。配高精度快速光谱辐射计，可测量光源的空间光谱分布，准确得到光源的平均颜色特性及空间颜色不均匀性。

The internationally recognized most accurate method (illuminance integration method) is used to measure the total luminous flux of light sources and traffic lights of all sizes, meeting the requirements of CIE84 for absolute total luminous flux measurement. The illuminance scoring method is also the method for most developed countries to establish national benchmarks for total luminous flux. Equipped with a high-precision fast spectral radiometer, the spatial spectral distribution of the light source can be measured, and the average color characteristics and spatial color non-uniformity of the light source can be accurately obtained.

- 近场探测器直接接收来自被测光源的光束，不经过任何反射镜，测量距离为3米左右。近场探测器可以为光度探头、高精度快速光谱辐射计，以实现不同的功能。

The near-field detector directly receives the beam from the measured light source without passing through any reflector, and the measurement distance is about 3m. The near-field detector can be a photometric probe and a high-precision fast spectroradiometer to achieve different functions.



## 技术参数 Specifications

型号	GO-R5000	
光度		
探测器精度	CLASS L, $f1' < 1.5\%$	
光度线性	0.2%	
光度重复性	0.1% (标准 A 光源)	
探测器量程范围	$1 \times 10^{-5} / 1 \times 10^{-4} / 1 \times 10^{-3} \text{ lx} / 0.01 \text{ lx}$ (根据测量要求)	
光通量测量范围	$1 \times 10^{-5} / 1 \times 10^{-4} / 0.001 \text{ lx} \sim 20 \text{ klx} / 200 \text{ klx}$ (根据测量要求)	
光强测量范围	$4.0 \times 10^{-5} / 4.0 \times 10^{-4} / 4.0 \times 10^{-3} \text{ cd} / 4.0 \times 10^{-2} \text{ cd} \sim 1.8 \times 10^7 \text{ cd} / 1.8 \times 10^8 \text{ cd}$ (根据测量要求)	
角度		
C 轴	范围	$0^\circ \sim 360^\circ$
	角度精度	$0.1^\circ / 0.05^\circ$ (全球最高精度)
y 轴	范围	$-180^\circ \sim +180^\circ$
	角度精度	$0.1^\circ / 0.05^\circ$ (全球最高精度)
测试速度	最高到 3rpm, 可根据需要调节	