

GO-2000 GONIOPHOTOMETER



• **Description**

- GO-2000 is a goniophotometer with facility for turning the light source in CIE B- β and C- γ coordinate system.
- The light source and the photometer head are installed horizontally.

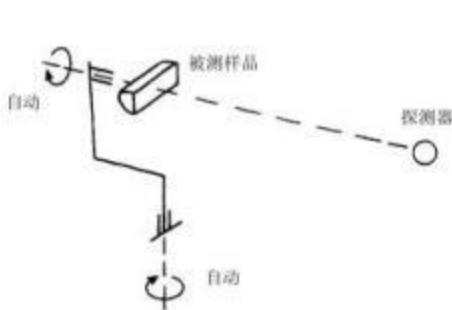


• Parameter

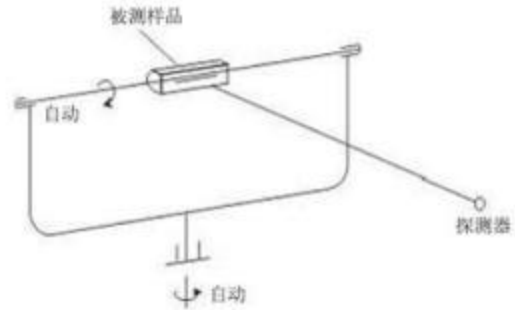
- ◆ **Basic principles:**

- GO-2000 can simultaneously implement the CIE standard B- β and C- γ measurement schemes. During the test, the detector remains static, and the luminaire is rotated around the vertical and horizontal axes to obtain the luminous intensity distribution of the entire space.

- Schematic:



CIE C- γ Solution



CIE B- β Solution

- **Main technical specifications**

- 1) The light source rotates around both horizontal axis and vertical axis, while the photometer head is fixed.
Range of rotation angle: $\pm 180^\circ$;
- 2) Angle accuracy: up to 0.05° ;
- 3) Photometer head: CLASS L ($f_1' \leq 1.5\%$) or CLASS A ($f_1' \leq 3.0\%$), Pre-amplified and constant-temperated.
- 4) The measuring range of illuminance: $0.0001\text{lx} - 200\text{klx}$;
- 5) Accuracy of photometry: Standard class.
- 6) Precise and stable mechanical construction make the goniometer rotate stable with low noise, the rotation can be remote controlled.
- 7) Laser is applied for alignment during the installation of luminaire. It can realize measurement with higher accuracy and test result can be exported in CIE, IESNA (95,2001)、EULUMDAT、CIBSE(TM14) file format. And the output file directly matches international Universal Lighting Design Software such as Dialux, AGI32, Lumen-Micro.
- **Documents output data:**

- 1) *.GOS EVERFINE GO-R series photometry data file
- 2) *.CIE CIE file
- 3) *.CEN CEN file
- 4) *.IES IESNA file
- 5) *.Tm14 TM14 file
- 6) *.CIB CIBSE file
- 7) *.EUT EULUMDAT file

• Application

