



OST-500 OPTICAL RADIATION TEST SYSTEM

OST-500 is a optical radiation hazard test system for 200~3000nm full band range, fully meeting the requirements of standard IEC/EN 62471/CIE S009, IEC/TR 62778, GB7000.1-2015, GB/T 20145, IEC/EN 60598 Annex P., IEC/EN 60432, 60335, EU directive and other related standards. Equiped with a precision automatic double-axis goniometer, it can automatically location the maximum radiation position and measure the photobiological hazard parameters of various lamps and light systems (LED products, ultraviolet lamps, lighting sources and luminaires, etc.) at the maximum radiation position. In addition ,the system can do risk group classification automatically.

- 1.measurement wavelength range: 200nm~3000nm
2. Wavelength accuracy: $\pm 0.1\text{nm}$ (maximum)
3. Radiance measurement geometry: Accord with CIE/IEC pupil simulation condition.
4. Imaging radiometer: 16 bit scientific grade refrigeration CCD, over one million pixels.
5. Measuring field of view: 100mrd/11mrd/1.7mrd or any other field of view, meeting the requirements of CIE/IEC standard.
6. The maximum weight of the sample: 50kg
- 7.Maximum size of the sample: 1.5m
8. Automatically identify and position the maximum accessible optical emission
9. Adopting patent technologies, it features high accuracy, high reliability and full automatically.
10. The value can be traced back to the National Standards Institute of Technology (NIST) or the Metrology Institute of China (NIM).
- 11.Pulse lamp test: Composed of high precision and fast spectrum radiometer, special software, and can be used to measure pulse light with the conventional photo biological safety testing system. (optional)
- 12.Laser radiation test: Band coverage: 200-1600nm, measuring the maximum radiation power (or energy) of the laser products under the conditions 1, condition 2 and condition 3 to meet the requirements of the IEC 60825 standard. (optional)

