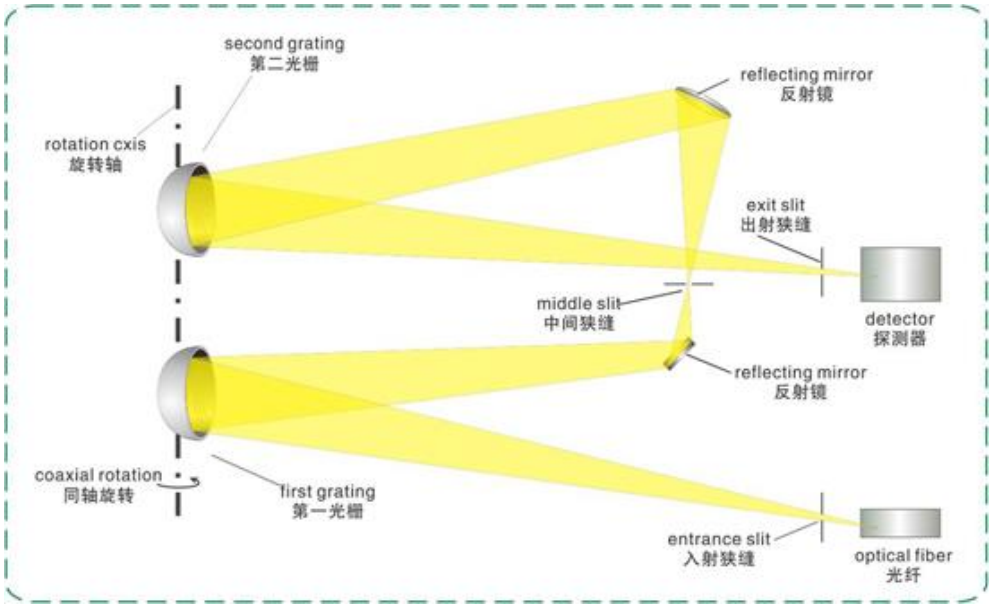
PMS-2000 DOUBLE-MONOCHROMATOR SPECTRORADIOMETER (Scientific grade)

DOUBLE-MONOCHROMATOR SPECTRORADIOMETER WITH EXTREMELY HIGH STRAY LIGHT CONTROL LEVEL AND WAVELENGTH ACCURACY

The design of PMS-2000 adopts the coaxial symmetry double-monochromator technique, realizing very high stray light control and wavelength accuracy. It is especially suitable for labs or research institutes with very high accuracy requirement.

The Coaxial & Symmetrical Double-monochromator Technique

The tested light is dispersed by the first grating and the second grating in sequence. The monochromatic light after two times dispersion goes into the detector. In this system, the two gratings are symmetrically set in one axis to realize coaxial rotation. It has super high wavelength accuracy because of no synchronous error.



Parameter

●Wavelength range: 200nm ~ 800nm;

●Wavelength accuracy: ±0.2nm;

●Wavelength reproducibility: ±0.1nm;

●Spectrum sample interval: 0.1nm, 1nm, 5nm optional;

●Color temperature range: 1000K ~ 100000K

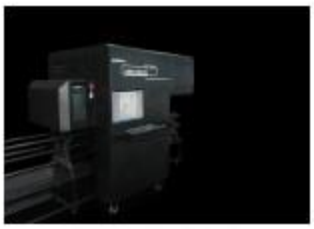
●Photometry linearity: ±0.3%

●Luminous flux range: 0.01lm ~ 1.9999×10E05lm(with appropriate integral sphere)

●Stray light: 10E-8

Application

The unique design and excellent performance of PMS-2000 make it especially suitable for high accuracy measurement, such as photobiological safety analysis, scientific research, standard testing or metrology laboratory. For general luminous flux and color measurement, high accuracy can be achieved.



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