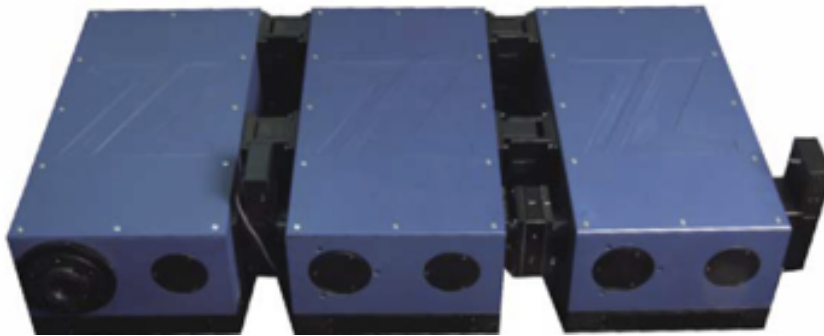


Triple Monochromator Spectrographs



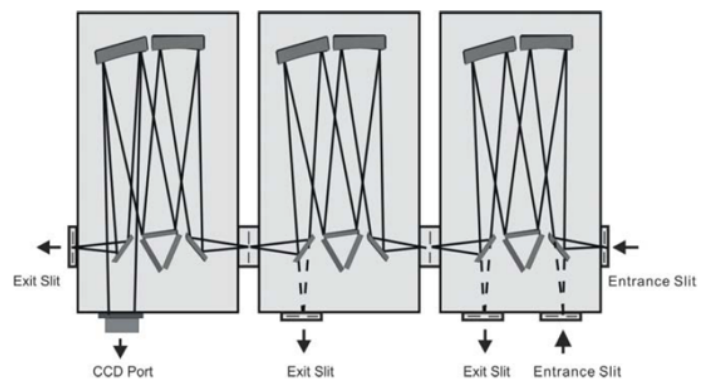
Specification @ 325nm excitation wavelength

- Wavelength range: 200-800nm
- Relative wave number range: 50-18000 cm^{-1}
- Resolution: 3cm^{-1}
- Repeatability: 5cm^{-1}

The Triple Monochromators/Spectrographs include three 500 mm focus monochromators which are in fine alignment. The first two monochromators as the dispersion subtraction are used to reduce the stray light. The third monochromator as dispersion sum configuration is used to improve the resolution. And each unit can work well as the monochromator, and the two units can also be used as the double monochromator.

The first and second monochromators are side entrance and double exits, the third monochromator has double entrances and double exits, it is easy to connect the CCD and PMT, the single channel detectors.

There are three import gratings in each monochromator, and the spectral range is located in deep UV region, the middle UV and visible region. Each grating reflectivity can be up to 70% in their spectral region. Mainly used in high grade Raman spectroscopy measurement, such as UV-resonance Raman spectroscopy.



GRATINGS SPECIFICATION FOR TRIPLE MONOCHROMATOR / SPECTROGRAPH

GRATINGS	LINE DENSITY (G / MM)	BLAZE WAVELENGTH (NM)	SIZE (MM)
1 - 1	1800	250	68 × 68
1 - 2	1200	300	
1 - 3	600	500	
2 - 1	1800	250	
2 - 2	1200	300	
2 - 3	600	500	
3 - 1	3600	250	
3 - 2	2400	300	
3 - 3	1200	500	