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Find the *McPherson Model 608* at our website: ***Click HERE***

McPHERSON

Model 608 Prism Predisperser



The Model 608 Prism Predisperser is a small prism monochromator that may be used with many McPherson UV-VIS-IR scanning monochromators. Throughout its range (185-2600 nm) it eliminates multiple order effects and reduces stray light by narrowing the band width of broad sources used for monochromator illumination.

The predisperser employs a 500 micron entrance slit , a fused silica prism, a 6-inch focal length collimating and focusing mirror, and diverting mirrors.

The Model 608 Prism Predisperser mounts directly to the entrance slit assembly. Efficient optical coupling between the predisperser and the monochromator is achieved by using the entrance slit of the monochromator as the exit slit of the predisperser. The predisperser is scanned through the wavelength range by a precision cam that provides a linear wavelength change with a uniform rotation of the drive shaft. Using the optional connecting shaft, the drive shaft can be coupled directly to the wavelength drive of the monochromator for synchronized scanning throughout the wavelength range of the predisperser.

A wavelength counter which indicates wavelength in nanometers is supplied with the Model 608.

The Model 608 fits McPherson Models 207, 209, 218, 2051, 2061 and 285D.

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Dispersion Angstroms/mm		
Wavelength A	Theoretical	Measured
2,000	18	30
3,000	152	160
5,000	808	1,000
10,000	3,550	3,500
17,000	3,111	3,000

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