

Sciencetech Inc.

9057 Computer Controller Monochromator/Spectrograph

Technical Specifications

Design	Modified Czerny-Turner monochromator and spectrograph
Input Focal Length	457mm
Output Focal Length	457mm
Wavelength Selection	Motorized Grating and Wavelength Selection
Mechanics	Computer controlled turret utilizing stepper motor with worm and wheel gear drive mechanism
Spectral Range*	0-1200 nm (1200 l/mm grating) 0-2400 nm (600 l/mm grating).
Scanning range*	
Drive Step Size	
Aperture	f/8 for 9057 f/5.9 for 9057F
Grating	Up to three 50 x 50 mm gratings can be mounted in the 9057 Up to two 64 x 64 mm gratings can be mounted in the 9057F
Optical Resolution*	0.1 nm
Scanning Resolution*	
Stray Light*	3×10^{-5}
Dispersion*	1.79 nm/mm
Wavelength Accuracy*	± 0.1 nm
Wavelength	± 0.1 nm
Reproducibility*	
Flat Field Size	25mm
Flat Field Angle	-1.40°
Slit	0-10 mm, 10-20 mm, or 20-30 mm (height) 0-6 mm (width) in steps of 10 μ m
Optical Plane Center Height	76.2 mm
Dimensions	
Weight	

**All Specifications are for a 1200 l/mm grating except where stated otherwise.*