

Sciencetech Inc.

9040DA Double Additive Monochromator

Technical Specifications

Design	Czerny-Turner Optical Configuration
Input Focal Length	500 mm
Output Focal Length	550 mm
Wavelength Selection	
Mechanics	Manual or computer controlled sine drive
Spectral Range*	185-900 nm
Scanning range*	180-1500 nm w/ 1200 l/mm grating
Drive Step Size	
Aperture	
Grating	f/6.9 Version with 64 x 64mm grating f/5.2 Version with 84 x 84mm grating f/4.0 Version with 102 x 102mm grating
Optical Resolution*	0.02 nm (for f/6.9 operation)
Scanning Resolution*	0.005 nm in microstep mode
Stray Light*	10^{-7}
Dispersion*	0.76 nm/mm w/ 1200 l/mm grating 0.51 nm/mm w/ 1800 l/mm grating
Wavelength Accuracy*	± 0.05 nm
Wavelength Reproducibility*	± 0.025 nm
Flat Field Size	30 x 12 mm
Flat Field Angle	
Slit	Straight, bilaterally adjustable 0 to 30 mm with step adjustment (h) 10 μ m to 3 mm (w)
Optical Plane Center Height	
Dimensions	22.6 x 76 x 74 cm (9" x 30.4" x 30")
Weight	85 kg

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