

Sciencetech Inc.

9030 Compact Monochromator

Technical Specifications

Design	Seya-Namioka compact scanning monochromator
Input Focal Length	100 mm
Output Focal Length	100 mm
Wavelength Selection	Manual knob with readout counter Optional computer-controlled, motorized version is available
Mechanics	Sine drive grating control mechanism
Scanning Range*	Factory calibrated 0-1000 nm with 0.02 nm readout division
Aperture	f/3.2
Grating	Single 32 x 32 mm concave holographic grating
Optical Resolution*	1 nm or better
Stray Light*	10^{-4}
Dispersion*	8 nm/mm
Wavelength Accuracy*	± 0.3 nm
Wavelength Reproducibility*	± 0.25 nm
Slit Height:	8 mm
Optical Plane Center Height	76 mm (3")
Dimensions	105 x 127 x 127 mm (4.1" x 5.1" x 5.1")
Weight	~2 kg

**All specifications are for 1200 l/mm grating, except where stated otherwise.*