

Sciencetech Inc.

9150 High Resolution 1.5 Meter

Technical Specifications

Design	Czerny-Turner Single/Double pass
Input Focal Length	1,500 mm
Output Focal Length	1,500 mm
Wavelength Selection	
Mechanics	High precision motorized sine drive for wavelength selection
Spectral Range*	180 nm to 50 μ m
Scanning range*	0 - 1500 nm
Drive Step Size	0.0025 nm (1200 l/mm grating)
Aperture	f/12
Grating	Grating in kinematic mount for easy removal Available 4 grating turret model Ruled or Holographic 102 x 102 mm (clear aperture)
Optical Resolution*	(2400 l/mm grating): 0.004nm in single pass mode (under optimum conditions) 0.002nm in double pass mode (under optimum conditions)
Scanning Resolution*	
Stray Light*	
Dispersion*	1200 l/mm grating Single pass: 0.53 nm/mm Double pass: 0.26 nm/mm 2400 l/mm grating Single pass: 0.26 nm/mm Double pass: 0.13 nm/mm
Wavelength Accuracy*	\pm 0.02 nm
Wavelength Reproducibility*	\pm 0.002 nm
Flat Field Size	
Flat Field Angle	
Slit	Adjustable
Optical Plane Center Height	
Dimensions	660 x 1700 x 380 mm
Weight	150 kg

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