

Raman Spectrograph



FEATURES

- High throughput Raman spectrograph with volume phase holographic grating
- **Single and multi-fiber input (6 channels max)** for multiple probes simultaneous measurement
- Available with **dual grating spectrograph** for simultaneous measurements of 2 Raman spectral regions (532 nm and 785 nm)
- No moving parts
- TE-cooled CCD with **cooling to -60 °C**

Specifications

Wavelengths	532,671, 785 nm, 532/785 nm for dual grating
Fiber Optic Input	FC connector
Dimensions	11 x 6 x 4.6 (inches)
Raman Shift Range	532 nm: 150-4100 cm ⁻¹ ; 671 nm: 150-4000 cm ⁻¹ ; 150- 3000 cm ⁻¹
Resolution (FWHM)	8 cm ⁻¹ for 50 μm slit, 4 cm ⁻¹ for 25 μm slit
CCD	IVAC (Andor)
Active Pixel	1650x200 (16x16 microns pixel size)
CCD TE Cooling	-60 °C at ambient (25 °C)
Power Input	12v, 20W
Communications	USB
Acquisition Software	Spectrasoft™ (Andor device drivers)
Computer & Operating Software Requirements	Windows 7 64-bit or later, Intel Core i3 or comparable processor, 4GB of memory & 100MB of free hard drive space