



Apex 785 Raman Spectrometer

At a Glance

Wavelength range:	780-1120 nm
Raman shift range:	>3800 cm ⁻¹
Resolution (FWHM):	<10 cm ⁻¹
Typical dynamic range:	15000:1
Optimum input fiber:	200 μm NA = 0.22

Learn more online at www.elitespectrometers.com

The Ocean Optics Apex 785 Raman spectrometer was designed for maximum resolution and sensitivity and delivers exceptional performance. Using patented high throughput virtual slit (HTVS) technology licensed from Tornado Spectral Systems, Apex eliminates trade-offs associated with throughput, resolution and spectral range and provides high sensitivity, with excellent optical resolution, over a wide Raman shift range.

HTVS technology dramatically increases the throughput of the detection system, allowing faster measurements and lower excitation powers for delicate samples. Measure samples with very low noise in a fraction of the integration time.

The Apex is part of our Elite series of high performance spectrometers and is available as a single instrument or as part of a fully realized Raman system that includes laser, probe, sample holder, safety glasses and software.

Features

- High throughput virtual slit for shorter integration times, faster measurements
- High resolution and high sensitivity eliminate typical performance trade-offs
- Flexible use with a variety of lasers and accessories

