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elitespectrometers.com

Ventana 785 Raman Spectrometer

At a Glance

f/#:	1.3
Raman shift range:	250 cm^{-1} - 2000 cm^{-1}
Resolution:	10 cm^{-1}
Dynamic range:	15000:1
Optimum input fiber:	600 µm NA = 0.39

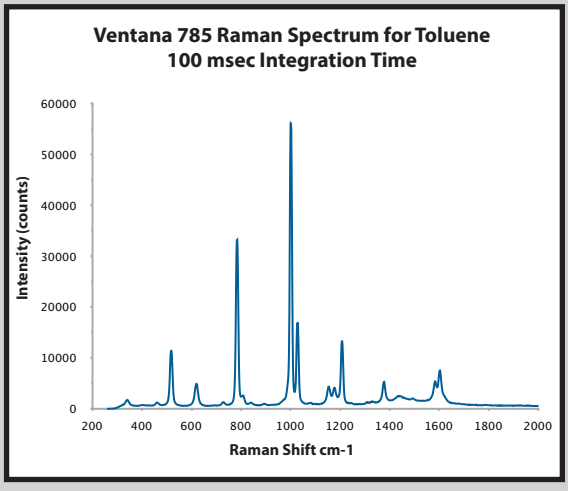
Learn more online at www.elitespectrometers.com

The Ventana 785 Raman spectrometer from Ocean Optics is a high-performance spectrometer providing exceptional throughput and sensitivity in a small footprint. Designed to minimize light loss and maximize throughput, the Ventana spectrometer provides exceptionally high sensitivity for the detection of low intensity Raman signals. This enables short integration times for fast measurements or the use of lower powered lasers to minimize sample degradation.

The Ventana 785 Raman spectrometer is available in a version (785L) with integrated laser with free space collection optics. Additionally, complete Raman sampling systems including laser, probe, sample holder and software are available. With its smart, modular design and compact footprint, the Ventana 785 Raman spectrometer is a cost effective alternative to integrated benchtop systems with no compromise in performance.

Features:

- Low f/# design for high throughput and sensitivity
- Optimized optical design minimizes light loss and provides superior image quality
- High efficiency HD Volume Phase Holographic Grating for low stray light and minimal light loss
- Back-thinned, cooled silicon detector with excellent quantum efficiency combined with low noise electronics
- Integrated laser module available



Contact an Ocean Optics Application Scientist for details and pricing.

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Ventana 532 Spectrometer

At a Glance

f/#:	1.3
Raman shift range:	35 - 4300 cm-1
Resolution:	20 cm-1
Dynamic range:	17000:1
Optimum input fiber:	600 µm NA = 0.39

Learn more online at www.elitespectrometers.com

Ventana 532 is a high-performance spectrometer providing exceptional throughput and sensitivity in a small footprint. Designed to minimize light loss and maximize throughput, Ventana is optimized for Raman measurements with 532 nm laser excitation. This enables low excitation power for Raman and short integration times for fast measurements. Ventana 532 is a cost-effective alternative to integrated benchtop systems with no compromise in performance.

Features:

- Low f/# design
- Anti-reflection coatings and optics placed in an optimized configuration minimize light loss and provide superior image quality
- HD Volume Phase Holographic Grating (VPH) provides maximum diffraction efficiency with low stray light, maximizing the instrument's linearity
- Back-thinned, cooled silicon detector array provides excellent quantum efficiency, low dark noise
- Low noise electronics

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Ventana 785L Raman Spectrometer

At a Glance

f/#:	1.3
Raman shift range:	250 cm^{-1} - 2000 cm^{-1}
Resolution:	10 cm^{-1} @ 810 nm
Dynamic range:	17000:1
Optimum input fiber:	600 µm NA = 0.39

Learn more online at www.elitespectrometers.com

The Ventana 785L combines the Ventana 785 Raman spectrometer with a 120 mW TEC and VPG stabilized 785 nm laser module. Ventana 785L is a high-performance spectrometer providing exceptional throughput and sensitivity in a small footprint. This system provides ultra stable performance over time and temperature. Designed to minimize light loss and maximize throughput, Ventana 785L is optimized for Raman measurements with 785 nm laser excitation.

High performance hard coated filters are used to maximize transmission and minimize Rayleigh scattering. Free space coupling eliminates fiber related signal loss providing high sensitivity for fast measurements. With its smart, integrated design and compact footprint, Ventana 785L is a cost-effective alternative to integrated benchtop systems with no compromise in performance.

Features:

- Low f/# design for high throughput and sensitivity
- Anti-reflection coatings and optics placed in an optimized configuration minimize light loss and provide superior image quality
- High efficiency HD Volume Phase Holographic Grating for low stray light and minimal light loss
- Front end laser matches the *f*/1.3 spectrometer input to maintain maximum efficiency
- 120 mW TEC and VPG stabilized integrated 785 nm laser module
- Back-thinned, cooled silicon detector with excellent quantum efficiency combined with low noise electronics

Contact an Ocean Optics Application Scientist for details and pricing.

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elitespectrometers.com

Ventana VIS-NIR Spectrometer

At a Glance

f/#	2.0
Wavelength Range:	430 - 1100 nm
Resolution:	4 nm
Dynamic Range:	17000:1
Optimum Input Fiber:	600 µm NA = 0.39

Learn more online at www.elitespectrometers.com

The Ventana VIS-NIR is a high performance spectrometer providing exceptional throughput and sensitivity for low signal VIS-NIR measurements (430-1100 nm) like fluorescence. Designed to minimize light loss and maximize throughput, Ventana VIS-NIR is a cost-effective alternative to integrated benchtop systems with no compromise in performance.

Features:

- High NA fiber couples more light into the spectrometer
- Low f/# design
- Anti-reflection coatings and optics placed in an optimized configuration minimize light loss and provide superior image quality
- HD Volume Phase Holographic Grating (VPH) provides maximum diffraction efficiency with low stray light maximizing the instrument's linearity
- Back-thinned, cooled silicon detector array provides excellent quantum efficiency, low dark noise
- Low noise electronics

Contact an Ocean Optics Application Scientist for details and pricing.