



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 can be configured with an integrated laser with free space collection optics for the highest throughput possible. 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

