



VM 150CT, 300CT, 600CT Spectrometer



These unique spectrometers offer some of the best performance specs available in the compact VUV market with resolution comparable to much larger systems and an unmatched wavelength accuracy. Affordable interchangeable gratings can be used to extend the range in the visible and IR regions. Configurable as either as a motorized monochromator or as CCD spectrometers using interchangeable accessories, these unique spectrometers can be coupled directly to a vacuum chamber through 2.75" Conflat® style flanges.

The Resonance line of Czerny-Turner spectrometers uses an Absolute Encoded Grating Drive (AEGD) to compensate for any possible mechanical inaccuracies to determine the absolute grating position. This two-stage grating control and wavelength tracking uses a kinematic sine drive with a ferro-fluidic vacuum feed-through paired with a arc-second accurate optical rotation encoder, providing the most reliable wavelength accuracy and reproducibility available on the market.

Features

- Spectral range from 115 nm to 6000 nm
- Monochromator mode or CCD spectrometer mode
- AEGD for absolute wavelength accuracy
- Hyperspectral imaging options
- Interchangeable gratings
- Adjustable slits available
- LabView-based software
- Low astigmatism