

TECHNICAL SPECIFICATIONS: UV/VIS Spectrometer**Spectrometer**

Optical resolution	For 50 μ m slit ~2.0nm (FWHM), for different slit size 0.3nm - 10nm
Signal-to-noise ratio	300:1
Dark noise	50 RMS counts
Acquisition time	10 milliseconds to 10 seconds
Corrected linearity	>99.8%

Light Source

Lamp type	Deuterium - Halogen Light Source (controlled independently)
Wavelength range	200nm-850nm
Shutter	Manual Software control
Lifetime	~1500 hours (deuterium); 1500 hours (tungsten halogen)
Time to Stabilize	~10min

General Characteristics

Sample size	8mm - 200mm (irregular shape)
Power requirements	115VAC/230VAC (0.6A/0.3A)