

CLARiTY CCD

Solid-state, fast, absorbance only

For the laboratory that needs a fast, all purpose UV/Vis or Vis/NIR spectrometer with a small footprint and the CLARiTY advantage, this is your choice. Our only solid-state CLARiTY: no moving parts! Within this 22 x 22" chassis are the Avantes CCD for fast spectral acquisition and a high precision pulsed xenon arc lamp.



Standard Acquisition Modes:

CLARiTY, Abs
Absorbance UV/Vis

Enhancements Supported:

Peltier Thermal Control
Stopped Flow
Titrator

CLARiTY CCD SPECIFICATIONS

Wavelength Range	Fixed by factory installed grating in CCD. Commonly 240 - 760 nm, but both wider and more narrow ranges available (the wider the span, the wider the spectral resolution)
Resolution	2 nm
Scan Rate	Function of light level, nominally 1-10 spectra per second
Detector	Single beam
Light Source	Pulsed xenon with integrated shutter
Monochromator	Ultra low light single monochromator with 75 mm focal length
Integrating Cavity	Specified by customer-test tube, flow-through, 8 ml cavity.