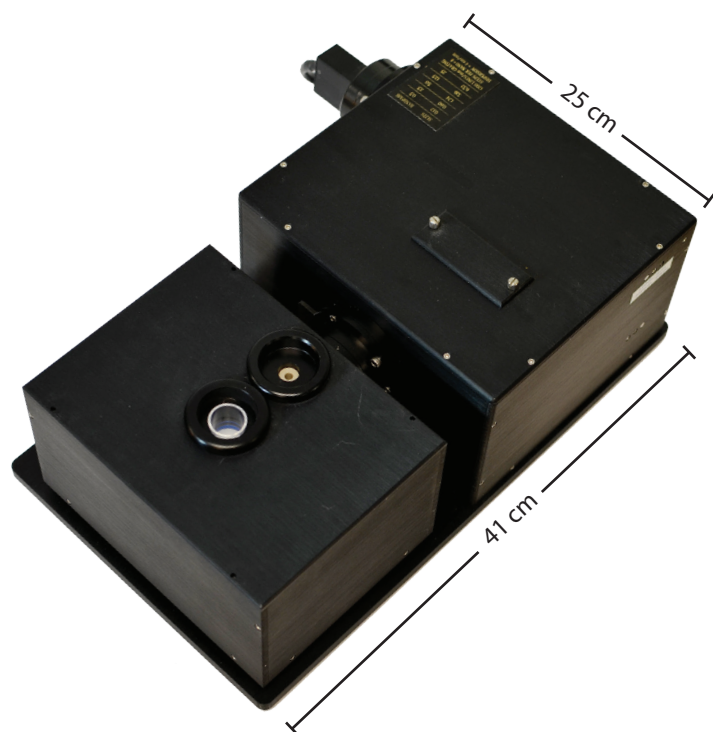


CLARiTY VF

Small, compact, configurable as either absorbance or fluorescence

This small model is built to order. Tell us whether you want yours configured for absorbance or fluorescence and what spectral range is required. We'll choose the appropriate light source (deuterium, tungsten, or LED cluster). For absorbance models, the light source and monochromator produce scanning measurement light. For fluorescence models, the light source excites the sample directly and emission is through the scanning monochromator. Model shown is configured for absorbance and has two deuterium lamps for highest UV throughput.



Standard Acquisition Modes:

CLARiTY

Absorbance or Fluorescence

Enhancements Supported:

Phosphorescence Lifetime

Peltier Thermal Control

Titration

CLARiTY VF SPECIFICATIONS

Wavelength Range	240-400 nm or 400-870 nm or 300-800 nm
Resolution	0.125 nm
Dynamic Range	400-fold (0.0004 to 0.16 AU) with filled integrating cavity
Wavelength Accuracy	± 0.2 nm 0.5 nm to 25 nm
Spectral Bandwidth	0.5 nm to 25 nm
Signal to Noise	50 @ 280 nm, 70 @ 430 nm for an AU of 1 and 0.5 sec integration time
Detector	Photon counting PMT
Light Source	For absorbance: Deuterium (240 - 400 nm); Tungsten (400 - 870 nm), or both (300 - 800 nm) For fluorescence: LED Cluster, user specified excitation wavelengths (up to 7)
Monochromator	Single grating monochromator with 75 mm focal length
Integrating Cavity	Interchangeable DSPC. Choices include 8 ml DSPC, 2 mL test tube, or flow-through of user-specified pathlength.