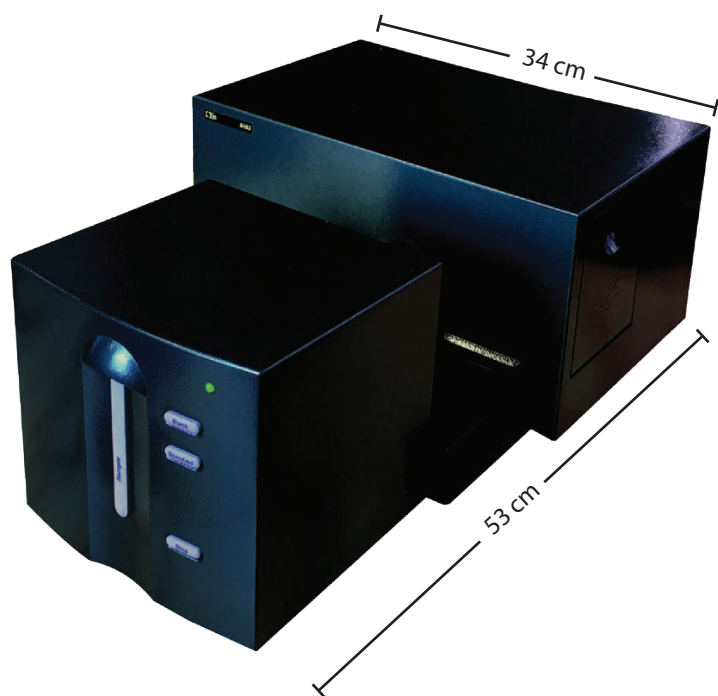


OLIS Upcycled HP 8453 UV/Vis

OLIS Upcycled HP 8453 UV/Vis

OLIS Software, Windows 10 Compatibility and a trusted UV/Vis Spectrophotometer

In 2018, we developed Windows 10 software for this solid-state diode array spectrometer introduced by Hewlett-Packard in the 1990s. If you are fortunate enough to own an original model, replace ChemStation with OlisWorks software; if you prefer this remarkably good UV/Vis (fourth decimal place noise and single nanometer spectral resolution) against plastic-rich models produced today, you can purchase a complete system from us.



Standard Acquisition Mode:
Absorbance UV/Vis

Enhancements Supported:
Peltier Thermal Control
Stopped Flow
Titrator

OLIS UPCYCLED HP 8453 UV/VIS SPECIFICATIONS

Wavelength Range	190 - 1100 nm
Slit Width	1 nm
Stray Light	<0.03 % at 340 nm (NaNO ₂ , ASTM) <0.05 % at 220 nm (NaI, ASTM) <1 % at 198 nm (KCl, EP)
Wavelength Accuracy	<± 0.5 nm, 0.5 = second scan (NIST 2031) <± 0.2 nm at 486.0 and 656.1 nm
Wavelength Reproducibility	<± 0.02 nm, ten consecutive scans (NIST 2034)
Photometric Accuracy	<± 0.005 nm at 440.0, 465.0, 546.1, 590.0 and 635.0 nm, 1 A (NIST 930e) <± 0.01 nm at 235, 257, 313, 350, 430 nm (potassium dichromate, EP method)
Photometric Noise	<0.0002 A, sixty 0.5 second scans at 0 A, 500 nm, rms
Photometric Stability	<0.001 A/hr at 0 A, 340 nm, after 1-hour warm up, measured over 1 hour, every 5 seconds, constant ambient temp
Baseline Flatness	<0.001 A, 0.5-second blank, 0.5-second scan, rms
Typical Scan Time	0.5 seconds, full range
Shortest Scan Time	0.1 seconds, full range
Time Until Next Scan	0.6 seconds, full range, 0.1-second scan, up to 150 consecutive scans