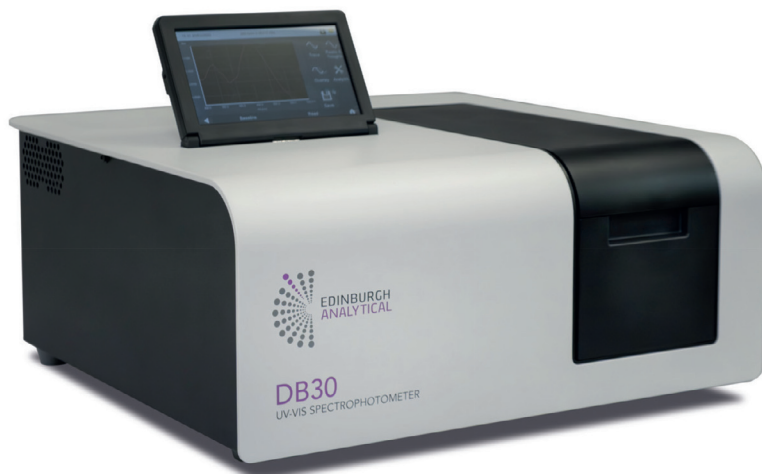


DB30 UV-VIS SPECTROPHOTOMETER

Versatile and Double Beam UV-Vis analysis for a wide range of applications.

A high-performance, user-friendly UV-Vis spectrophotometer with wide wavelength range, rapid scanning, and integrated touchscreen control.



KEY FEATURES

- > Variable Bandpass width 0.5 - 4 nm
- > Precise Wavelength Accuracy: ± 0.1 nm
- > Integrated Touchscreen Control
- > Optional Visacle® PC software

APPLICATIONS



SPECIFICATIONS

Optics	Czerny-Turner, Double Beam Monochromator
Wavelength Range	190 nm – 1,100 nm
Spectral Bandwidth	0.5, 1, 1.5, 2 and 4 nm
Stray Light	$\leq 0.10\%$ (220 nm NaI, 340 nm NaNO ₂)
Wavelength Accuracy	± 0.1 nm at D2 peak 656.1 nm
Wavelength Repeatability	± 0.1 nm
Photometric Range	Absorbance: -3.4 to +3.4, %T: 0 to 300, Concentration: 0,000 to 9,999
Photometric Accuracy	± 0.002 Abs (0 - 0.5 Abs), ± 0.004 Abs (0.5 - 1.0 Abs), ± 0.008 Abs (1.0 - 2.0 Abs), $\pm 0.3\%$ T
Photometric Reproducibility	± 0.001 Abs (0 - 0.5 Abs), ± 0.002 Abs (0.5 - 1.0 Abs), ± 0.004 Abs (1.0 - 2.0 Abs)
Wavelength Scan Speed	10, 100, 200, 400, 800, 1,200, 2,400, 3,600, 6,000 nm/min
Noise	0.0001 Abs
Baseline Stability	< 0.0003 Abs/hr (500 nm, 2 hours lamp warm-up period)
Baseline Flatness	± 0.0009 Abs (200 nm - 950 nm)
Light Source	Tungsten-Halogen and Deuterium Lamps
Light Source Switching	Automatic switching selectable for 325 nm - 370 nm range
Detector	Silicon Photodiode
Display	7" Touchscreen
Software	Touchscreen operation, Visacle® PC-controlled software or CFR compliant PC-controlled software