

NB500

UV-VIS Single Beam Spectrophotometer



Features

4 Position Cuvette Holder

RS232 C Computer Interface

High wavelength Precision

ABS for the accurate measurement of the value and C

Deuterium and Tungsten lamps

Sample chamber can be placed 5mm~100mm samples

A key value of automatic calibration ABS

Spectral

Wavelength	: 195 to 1000 nm
Spectral Band Width	: 2 nm
Accuracy	: ± 0.5 nm
Repeatability	: ± 0.3 nm
Resolution	: 0.1 nm

Nvis Technologies NB500 UV-Visible Single Beam Spectrophotometer is commonly used in physico-chemical laboratories to make quantitative and qualitative analysis of specimen material in the ultraviolet range. Its visible spectral range finds much scope for its service in fields such as Medicine, Clinical examination, Biochemistry, Petrochemical Industry, Biotechnology, Environmental protection and quality control. NB500 is also helpful in quantitative analysis of DNA.

Technical Specifications

Photometric Range	: 0~200 %T, -0.301~2, 000A, 0~1999C
Accuracy	: ± 0.005 Abs at 1.0 Abs ± 0.010 Abs at 1.5 Abs
Stray Light	: ≤ 0.3 %T @ 220 nm, 360 nm
Readability	: ± 1 Count
Data Readout	: Single Line LCD display
Key Board	: 4 Keys, Soft touch membrane type
Printer Interface	: Printer interface of any Centronics/ dot matrix printer
PC Interface	: RS232 C
Light Source	: Philips Halogen, Deuterium lamp (2000h)
Detector	: Wide range Silicon Photodiode
Optics	: Complete mirror optics with resolution 1200 grooves/mm grating.
Sample Holder	: 4 position adjustable sample holder
Absorbance Measurement Range	: 0.000A - 1.999A
Concentration Direction-reading Range	: 0000 - 1999
K Factor	: 0 to 1999
Transmittance Accuracy	: $\leq 0.5\%$ / 3 min
Transmittance Reproducibility	: 0.5%
Transmittance Measurement Range	: 0.0% $\leq 0.3\%$; 0% $\leq 0.1\%$
Noise	: 100% $\leq 0.3\%$ T; 0% $\leq 0.1\%$
Stability	: ≤ 0.002 A/h@500 nm
Power	: 230 V $\pm 10\%$, 50 Hz AC
Dimensions (LxWxH)	: 540 x 470 x 320 (mm)
Weight	: 11 kg