

UV-360

UV-Vis Spectrophotometer

UV-360 scanning UV-Vis spectrophotometer is a single beam stand-alone model with fixed bandwidth of 1.8nm, providing excellent performance for measurements in the range of 190nm to 1100nm. It has a large graphic LCD screen for menu and spectrum display. The large sample compartment accommodates a wide range of cell holders and accessories including sipper and peltier system. Optional Advanced Windows software can fully control the instrument makes it very versatile.

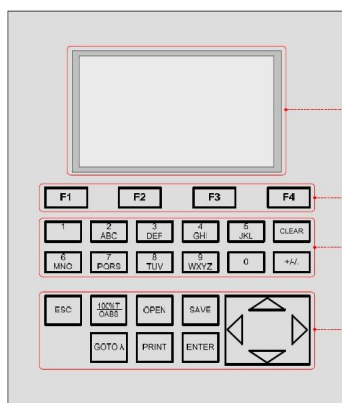


Specifications

Wavelength Range	190 - 1100nm
Bandwidth	1.8nm
Optical System	Single beam, grating: 1200 lines/mm
Scanning Speed	Hi, Med, Low (Max 3000nm/min)
Wavelength Accuracy	± 0.3nm
Wavelength Repeatability	0.2nm
Photometric Range	0 - 200%T, -0.3 - 3.0A, 0 - 9999Conc
Photometric Accuracy	± 0.5%T or ± 0.003A@1A
Stray Light	0.05%T @220nm and 360nm
Stability	± 0.002A/h @500nm
Display	5" graphic LCD (320 x 240 dots)
Baseline Flatness	± 0.002A (200 - 1000nm)
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen & Deuterium lamp
Data Output	USB and parallel
Power	220 - 240VAC/50Hz or 110 - 120VAC/60Hz
Dimensions	600 x 450 x 200mm
Weight	20kg

Features

- Large graphic LCD (320 x 240 dots) and easy operation
- Automatic wavelength scanning
- Stand-alone model with full functions available eliminating the need of a computer
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate various holders and accessories
- Real-time clock for date and time stamping of results



Stand-alone model has built-in software for full functions, thus eliminating the need for optional Windows analysis software via a PC

Through the control panel, user can perform all operations by pressing the keys and all the results and operation information are displayed on the LCD. Available functions include photometry, quantitative, wavelength scan, kinetics, DNA/protein, multi-wavelength and system utilities.

Functions

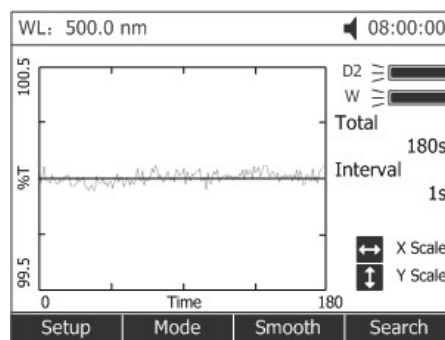
1. Main Menu and Basic Mode

There are seven items in Main Menu. In Basic Mode, Absorbance, %T or Concentration can be measured. Units such as ug/mL, mg/mL, mg/L, g/L, mM/L, M/L etc. may be selected.



2. Quantitative (Standard Curve)

Up to 10 standard solutions can be used to establish calibration equation to measure the concentration of unknowns. There are four fitting options: linear fit, linear fit through zero, square fit and cubic fit.



Packing list (stand-alone model)

Description	Qty
Spectrophotometer	1
10 mm Optical Square Cuvette	1 set of 4
10 mm Quartz Square Cuvette	1 set of 2
4-Position 10mm Cuvette Holder	Installed
Dust Cover	1
User Manual	1
Power Cord	1

Order Information

Part No.	Description	Note
UV-360	UV/Vis Spectrophotometer	Stand-alone model
UV-360PC	UV/Vis Spectrophotometer	PC model (with SS-300)
SS-300	Advanced Windows software	Manual, CD, USB cable