

UV-160

UV-Vis Spectrophotometer

UV-160 UV-Vis spectrophotometer is a single beam, general purpose instrument designed to meet the needs of the laboratories for analysis. It is ideal for various application fields such as, chemistry, medicine, environmental protection, food and beverage, wine industry and quality control.



Specifications

Wavelength Range	190 - 1100nm
Bandwidth	4nm
Optical System	Single beam, grating: 1200 lines/mm
Wavelength setting	Auto setting
Wavelength Accuracy	± 0.5nm
Wavelength Repeatability	0.3nm
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	LCD (126 x 64 dots)
Keypad	22 membrane keypad
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen and Deuterium lamps
Data Output	USB and parallel
Power	220 - 240VAC/50Hz or 110 - 120VAC/60Hz
Dimensions	470 x 370 x 180mm
Weight	14kg

Features

- Large LCD display (128 x 64 dots)
- Wavelength auto setting
- Save test results, display group data and standard curves
- Tungsten halogen and Deuterium lamps can be turn on/off individually
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate bigger cuvettes up to 100mm light path

Functions

1. Basic Mode

Absorbance, %T or Concentration can be measured. It can display and save 200 groups of data, 5 groups per screen.

2. Quantitative (Standard Curve)

Up to 9 standard solutions can be used to establish a calibration curve to measure the concentration of unknown solutions. Total 100 curves can be saved in memory.

3. Kinetics

Real time measurement of Abs. vs. time can be used for time course scanning or reaction rate calculations.

4. System Utilities

It includes useful tools such as get dark current, lamp management and set clock & date etc.

Optional Professional Windows software

The instrument can be controlled by the PC based Professional Windows software via a USB port, which further expands the applications to Wavelength Scan, Multi-Wavelength and DNA/Protein together with above functions via instrument panel. Software needs to be ordered separately with a part number of SS-200

Optional Accessories

There is a wide range of accessories including different cell holders, sipper and peltier system etc available to satisfy the specific analysis requirements. Please refer to the spectrophotometer accessory section from our website.

Packing list

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