

UV-Vis Spectrophotometer



Introduction:

The UV-Vis Spectrophotometer is an analytical instrument based on the principle of ultraviolet visible spectrophotometry, which uses the radiation absorption of molecules in the ultraviolet visible spectral region for analysis. It is widely used in various fields such as medicine and health, environmental monitoring, life sciences, drug analysis, food analysis, organic chemistry, biochemistry, etc.



Glass Cuvette for visible area determination
Quartz Cuvette for ultraviolet light area determination



Deuterium Lamp:
Ultraviolet light source



Tungsten Lamp:
Visible light source

Features:

- * 10.1-inch full color touch screen display, which can directly display various scanning curves and graphs without the need for a computer.
- * The standard USB Bluetooth function can realize wired and wireless storage, and one-click screenshots can export data pictures in real time.
- * It adopts advanced A6 core high-performance processor, and optional mouse and keyboard.
- * Nucleic acid and protein concentration determination function, rapid detection of nucleic acid extraction purity.
- * Qualitative and quantitative analysis capabilities to test unknown substances and known sample concentrations.
- * Upper-computer software and printer are optional.

Technical Parameters:

Model	UV-1100
Display	10.1-inch LCD touch screen
Optical System	Single beam
Light Source	International famous deuterium lamp, tungsten lamp
Wavelength	190nm-1100nm
Stray Light	0.05% (220nm)
Spectral Bandwidth	2nm
Wavelength Accuracy	Full wavelength 0.3nm(656.1nm 0.1nm)
Wavelength Repeatability	0.1nm
Transmittance Accuracy	0.3%T
Photometric Mode	Transmittance, absorbance, concentration, energy
Interface	RS-232 USB
Power Supply	AC220V 50/60Hz, 110V 60Hz (optional)
External Size (L*W*H)	562*520*260mm
Net Weight	21kg
Package Size (L*W*H)	612*522*322mm
Gross Weight	24kg