

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.

Accessories:



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 drive and Bluetooth 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.

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                                        |
| Standard Accessory       | 10mm glass cuvette*4, 10mm quartz cuvette*2        |
| Optional Accessory       | Printer                                            |
| Consumption              | 160W                                               |
| Power Supply             | AC220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional) |
| External Size(W*D*H)     | 562*520*260mm                                      |
| Package Size(W*D*H)      | 650*620*380mm                                      |
| Net Weight               | 21kg                                               |
| Gross Weight             | 28kg                                               |