

UV VIS SPECTROPHOTOMETER WITH XE LAMP



FEATURES:

- 1) Double Beam Optical System with 1200 1/mm grating having low stray light and the optimized design to ensure higher measurement accuracy of the instrument;
- 2) **High-resolution TFT colour LCD touch screen** provides excellent display effect and simple operation with built-in computer (2GB memory/64GB SSD storage, 178 degree full view, 16 million colours, high resolutions, 10.1 inch IPS colour LCD touch screen, capacitive 10-point touch control) provides excellent display effect, simple operation and good scalability;
- 3) **Wide sample room, suitable for 5-100mm sample cell holders** and other accessories; Start-up self-calibration system and warm-up countdown;
- 4) **Automatically move the wavelength** to the set position, and automatically do zero
- 5) **Connect with a printer directly** and output measurement results;
- 6) **Connect with a PC** by USB, and control the instrument by software,
- 7) **Rich interfaces** (USB, Ethernet, VGA, HDMI, Bluetooth, WIFI, SD card reader, etc.) can connect keyboards, mice scanning equipments and printers to input and output data, and access networks for remote control, data transmission and sharing;

SPECIFICATIONS:

- 1) **Optical system:** Double beam with Czerny Turner Monochromator
- 2) **Light source:** Xenon lamp (flash Lamp) 3 years warranty
- 3) **Spectral bandwidth:** 0.5, 1, 2, 4, 5 nm
- 4) **Wavelength range:** 190 ~ 1100 nm
- 5) **Wavelength accuracy:** ± 0.3 nm (full range 190nm - 1100nm)
- 6) **Wavelength repeatability:** 0.1nm
- 7) **Wavelength resolution:** 0.1nm
- 8) **Scanning speed:** 1 to 6000nm/min variable
- 9) **Scanning Mode:** Absorbance %, Transmittance % log (Abs), Factor Intensity
- 10) **Photometric range:** -4 to 4.0A
- 11) **Photometric accuracy:** 0.5A: ± 0.002 A
- 12) **Noise:** 0.000016 Abs RMS@500nm
- 13) **Drift:** < 0.0002 Abs/H @ 500 nm
- 14) **Baseline flatness:** ± 0.001 A
- 15) **Stray light:** ≤ 0.02 @ 220nm, 360 nm KCL 198nm = 1% T, NaI 220nm $< 0.05\%$ T
- 16) **Data Interval:** 0.1, 0.2, 0.5, 1.0, 2.0, 5.0, 10
- 17) **Accuracy (with sealed solution) EP/BP/TGA:** ± 0.010 A (60mg/L K_2CrO_7)
- 18) **Photometric mode:** Photometry, Quantitation, Spectrum, Kinetics, Time Scanning, Multi Wavelength, Biological, Multi Component
- 19) **Detector:** Dual Silicon photodiode
- 20) **Sample cell holder:** 10 mm 1-cell holder (Multi cell up to 8)
- 21) **Display:** 10.1 Inch IPS colour LCD touch screen, capacitive 10-point touch control (resolution: 1280×800), 2GB memory/64GB SSD storage, 178 degree full view, 16 million colours, high resolutions, 10.1 inch IPS colour. Embedded Operating system.(with sealed membrane)
- 22) **Storage:** 64GB (built-in), unlimited expansion (USB storage, SD card, network storage device)
- 23) **Power:** 100 ~ 240 V AC, 50/60 Hz, 100 W
- 24) **Dimension:** 600*450*200 mm