



## V-1150 VISIBLE SPECTROPHOTOMETER UV-1150 UV/VIS SPECTROPHOTOMETER

### Functions

**Absorbance (A) :**  
Measure absorbance and print results

**Transmittance (T) :**  
Measure transmittance and print result.

**Factor (F) :**  
Input Factor K, B to measure concentration and print results.

**Energy (E) :**  
Measure energy and set amplifier gain.

**Concentration (C) :**  
Use standard samples to measure concentration and print results.

### Features

- 1200 l/mm grating and 16 bit high resolution A/D converter ensure higher accuracy;
- Start up self-calibration;
- Move the wavelength to the set position, and do zero automatically;
- High resolution TFT color LCD screen;
- Combination of rotary encoder and membrane keyboard;
- Wide sample room, suitable for 5 – 100 mm sample cell holder and other accessories;
- Connect printers directly and output measurement results;
- Connect PC via USB, and perform spectrum scanning ;
- USB firmware upgrade.

Model	V-1150	UV-1150
Optical System	Single beam	
Light source	Tungsten lamp	Tungsten lamp, Deuterium lamp
Bandwidth	4 nm	
Wavelength range	320 – 1050 nm	198 – 1050 nm
Wavelength accuracy	±1.5 nm	
Wavelength reproducibility	≤0.5 nm	
Wavelength display	0.5 nm	
Wavelength shift mode	Auto	
Photometric range	-0.3 – 3 A, 0 – 200 %T, 0 – 9999 C	
Photometric accuracy	±0.5 %T or ±0.006 A @ 1A	
Photometric reproducibility	≤0.3 %T or ≤0.003 A @ 1A	
Noise	≤0.002 A @ 500 nm	
Drift	≤0.004 A/h @ 500 nm, after warming up for 2 hours	
Stray light	≤0.2 %T @ 360 nm	≤0.2 %T @ 220, 360 nm
Measurement mode	Absorbance (A), Transmittance (T), Concentration (C), Factor (F), Energy (E)	
Detector	Silicon Photodiode	
Cell holder	10 mm 4-cell holder	
Keyboard	Membrane keyboard, rotary encoder	
Display	3.2 inch TFT LCD (resolution: 400×240)	
Interface	RS-232 serial port ×1 (printer) , USB-B×1 (PC)	
Power supply	100 – 240 V AC, 50/60 Hz	
Power	50 W	80W
Demensions	470 (W) ×345 (D) ×180 (H) mm	
Weight	10.8 kg	11 kg