

sample at specified wavelength accurately or sample absorptency change curve within specified wavelength range (spectral characteristic chart). For single-beam spectrophotometer, first scan reference sample and save the reference spectrum. Then scan sample to be tested, and calculate at each spectral point by taking corresponding reference value in reference spectrum. Thus we get the spectral characteristic chart.

### 1.9 Specifications

Optical system	Halogen lamp, single beam, Grating 1200L/mm
Wavelength setting range	330~999nm
Wavelength adjusting increment	0.1nm
Wavelength accuracy	±1.0nm
Wavelength repeatability	±0.5nm
Photometric accuracy	±0.8%T (NIST 930e)
Photometric repeatability	±0.4%T
Spectral bandwidth	5nm
Photometric range	0~150% or -0.17~2ABS
Baseline flatness	±0.005A
Stray light	0.5% (360nm)
Zero drift	±0.2%(6min)
Photocurrent drift	±0.5%(6min)
Noise	0.5%(100%T, 500nm) 0.2%(0%T, 500nm)
Wavelength scan speed	60~800nm/min( full wavelength)
Wavelength moving speed	3600nm/min( full wavelength)
Outer connecting way	Parallel port(support PCL/6 language printer)
Detector	Silicon photodiode
Display	LCD
Sample compartment	Manual 4-cell holder
Dimension	400mm×360mm×180mm
Voltage	220V(±10%,50/60HZ)
Weight	15kg