



Spectrophotometer is an important analysis instrument widely applied in research of physics, chemistry, biology, medicine, material, environment and modern production management of chemistry, medicine, environment test, metallurgy. Spectrophotometer is the instrument for quantitative and qualitative research by spectrophotometry. It is usually used in quantitative research of nucleic acid, proteins and bacterial concentration.

### Feature

- Microscale sample test, minimum 0.5ul
- Widely test area, 100 times of the traditional spectrophotometer
- No need to dilute for most samples
- Test directly, no need to warm-up, container test and daily consumption test
- Whole wavelength 190-1100nm, accuracy 1nm, auto scanning wavelength 190-850nm
- Compact size and portable package suitable for on-site test
- More accurate and flexible test is realized by PC control

### Specification

- Minimum Sample Size: 0.5ul
- Wavelength Range: 190-850nm
- Optical Distance: 1mm/0.2mm
- Wavelength Accuracy: 1nm
- Wavelength Resolution:  $\leq 0.3\text{nm}$  (FWHM at Hg 253.7nm)
- Absorbance Accuracy: 2% (0.76 at 257nm)
- Absorbance Resolution: 0.002Abs (at 1mm optical distance)
- Absorbance Range: 0.02-300A (10mm equivalent)
- Detection Range: Lower limit 2ng/ul (dsDNA), Upper limit 15000ng/ul (dsDNA)
- Sample Pedestal Material: 304 Stainless Steel and Quartz
- Measurement Time: < 5S
- Detector: 3648CCD
- Light Source: Xenon flash lamp
- Absorbance Test Range: 0.1-5Abs.  $\pm 0.1\text{Abs}$   
5-80Abs.  $\pm 2\%$  (can extend to 300Abs)
- Dimensions (W x D x H)mm: 200\*130\*136
- Weight:  $\leq 2.0\text{KG}$
- Operating Power: 24W
- Voltage: AC100-240V, 50-60Hz
- Display Language: English and Chinese



### Standard configuration

- spectrophotometer 1 pcs
- Power Adapter 1 pcs
- Driver software CD
- Power line 1 pcs
- Factory inspection report
- Instruction manual 1 pcs