

UL-2000 Micro-Volume UV/VIS Spectrophotometer



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 quantitative analysis by spectrophotometry. It is usually used in quantitative research of nucleic acid, proteins and bacterial concentration.

Feature

- Microscale sample test, minimum 0.5ul, ultramicro and cuvette are possible
- Wildly 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/0.05mm
Cuvette Optical Distance	10mm/5mm/2mm/1mm
Wavelength Accuracy	1nm
Wavelength Resolution	≤0.3nm(FWHM at Hg 253.7nm)
Absorbance Accuracy	2%(0.76 at 257nm)
Absorbance Resolution	0.002Abs(at 1mm optical distance)
Absorbance Range	0.005-300A (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	0.01~0.5Abs. ±0.01Abs 0.5~80Abs.±2% (can extend to 300Abs)
Dimensions (W x D x H)mm	200*130*136
Weight	≤2.5KG
Operating Power	24W
Voltage	AC100-240V;50-60Hz
Display Language	English and Chinese