

UL-5000/UL-5000F

Micro-Volume UV/VIS Spectrophotometer



Micro-Volume UV-VIS spectrophotometer Series

UL-5000/UL-5000F Micro-Volume UV/VIS Spectrophotometer

Product description, technical parameters and configuration

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 quatitative 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 consummation test
- Whole wavelength 190-1100nm, accuracy 1nm, auto scanning wavelength 190-850nm
- Compact size and portable package fitable for on-site test
- More accurate and flexible test is realized by PC control

Specification

Minimum Sample Size	0.5ul-2ul
Wavelength Range	190-850nm
Optical Distance	1mm/0.2mm/0.05mm
Cuvette Optical Distance	10mm/5mm/2mm/1mm
Wavelength Accuracy	2nm
Absorbance Accuracy	±1%(7.332Abs at 260nm)
Absorbance Resolution	0.003Abs(at0. 2mm optical distance)
Absorbance Range	0.04-300A (10mm equivalent)
Detection Range	Lower limit 2ng/ul (dsDNA); Upper limit 15000ng/ul (dsDNA)
OD600 Absorbance Range	0~6.000Abs
OD600 Absorbance stability	(0, 3) ≤0.5%, (3, 4) ≤2%
OD600 Absorbance repeatability	(0, 3) ≤0.5%, (3, 4) ≤2%
Linearity of fluorescence detection	R2 > 0.996 (UL-5000F)
Sample Pedestal Material	304 Stainless Steel and Quartz
Measurement Time	< 6S
LCD	7 inch touch screen
Light Source	Xenon flash lamp
Absorbance Test Range	2-15000ng//µl (dsDNA)
Dimensions (W x D x H)mm	310*221*176
Data output	USB
Printer	Built-in Thermal Printer
power adapter	24V DC the (UPS power supply can be added)
Operating Power	25W
Sleeping Power	5W
Display Language	English and Chinese (The language can be custom-made if the quantity that is OK)