

# Double Beam Spectrophotometer Xenon Lamp

5002



**1** Year  
Warranty

## Features

- High quality flashing xenon lamp which can start to test directly without preheating
- Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum Scan, DNA/Protein test, Multi-wavelength test, etc.
- In-house massive memory is capable of saving up to 1024M for test data & working curves.
- Supports USB storage, The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
- Large sample chamber can accommodate 5-100mm cuvette provide at Extra cost.
- Extensive accessories are optional, such as peltier/sipper system, 21 CFR compliance software, provide at Extra cost. etc.
- Auto Wavelength Setting
- On-Screen Standard Kinetic Curve Display
- Tungsten/Deuterium Lamp can be Turned ON/OFF Individually to Extend Lifetime



## Double Beam Spectrophotometer Xenon Lamp

### Technical Data

Model	5002
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190 nm-1100nm
Spectral Bandwidth	1 nm
Wavelength Accuracy	$\pm 0.1\text{nm}@656.1\text{nm}$ , $\pm 0.3\text{nm}@all$
Wavelength Repeatability	$\leq 0.1\text{nm}$
Photometric Accuracy	0.2%T(0~100%T), $\pm 0.002\text{A}$ (0-0.5A), $\pm 0.004\text{A}$ (0.5-1A)
Photometric Repeatability	$\leq 0.15\%T$ (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)
Photometric Range	0-200%T, 0.3~3A, 0-9999C (0-9999F)
Stray Light	$\leq 0.03\%T@220\text{nm}$ , 360 nm
Stability	$\pm 0.0003\text{A/h}@500\text{nm}$
Baseline Flatness	$\pm 0.001\text{A}$
Noise	0.0005A@500nm
Work Mode	T%, Abs, Conc, E,
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)
Wavelength Setting	Auto
Display	10.1" TFT Colored Capacitive Touch Screen
Light Source	Imported Xenon Lamp
Detector	Imported Silicon Photodiode
Cuvette Holder	10mm single hole cell holder
Output	USB drive, USB host, RS232
Power	AC 220V/50Hz or AC 110V/60Hz
Shipping Size	810*660*390mm
Gross Weight	27kg
Standard Accessories	10mm glass cuvette x 4, 10mm quartz cuvette x2, Power cord, User's Manual, PC software

### Product Range

Semi Auto Analyser, Digital UV/VIS Spectrophotometer, Digital pH, Meter, Digital Conductivity Meter, Digital Photo Colorimeter, Turbidity Meter, Auto KF Titrimeter, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Temperature Indicator, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Digital Tablet Disintegration Apparatus, Digital Friability Test Apparatus.

**ENVIRONMENTAL  
AND SCIENTIFIC  
INSTRUMENTS CO.**

AN ISO 9001 : 2015 CERTIFIED CO.