

SPECTROPHOTOMETER UV-VIS DOUBLE BEAM ALS-SSPCTR004



DESCRIPTION

The ALS-27DS spectrophotometer measures the amount of light that a sample absorbs by passing a light beam through it. These instruments are used to measure the concentration of any unknown solution and monitor absorption accuracy throughout production.

FEATURES

- Wide Wavelength range, satisfying requirements of various fields.
- Fully automated design, realizing the simplest measurement & as per the requirement of pharmacopoeia.
- Upgradable to 8 samples to be measured at one time.
- Automatic change-over between T lamp & D2 lamp.
- Optimized optics and large-scale integrated circuits design, light source and receiver from world-famous measurement methods all add up to high performance and reliability.
- Rich measurement methods: wavelength scan, time scan multi- wavelength determination, multi-order derivative determination, double-wavelength methods triple-wavelength methods etc., meet different measurement requirements.
- Data Output can be obtained via a printer port. Parameters and data can be saved for the user's convenience.
- PC controller measurement can be achieved for more accurate and flexible requirements.
- Glass Cell: 4 Nos
- Quartz Cell: 2 Nos
- Software, Instrument Cover, USB Cable, Software Manual, Instrument Manual

TECHNICAL SPECIFICATIONS

MODEL	ALS-27DS
Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190 nm - 1100 nm
Spectral Bandwidth	Fixed 1.0 nm
Wavelength Accuracy	± 0.3 nm (656.1 nm D2), ± 0.5 nm (full wavelength Range)
Wavelength Repeatability	0.1 nm
Wavelength Display Setting	0.1 nm increment
Photometric Accuracy	±0.3% T(0~100% T)
Photometric Repeatability	0.001 Abs(0~0.5 Abs)
Wavelength Slew rate	15000 nm/min
Photometric Range	-3A ~ 3A
Transmittance	0-100% T
Stray Light	<=0.02%T(220 nm,natural air level (nal) ,340 nm NaMO2 Sodium Metal Oxide)
Stability	±0.0004 A/H@500 nm
Baseline Flatness	±0.001A
Scanning Speed	Fast, Mid, Slow
Wavelength Setting	Auto
Keyboard	Membrane Keypad
Light Source	Deuterium & Tungsten Lamp
Wavelength Resolution	0.1 nm
Photometric Mode	Absorbance , Transmittance and Concentration (A, T and C)
Detector	Imported Silicon Photodiode
Interface	USB Port and parallel port (Printer)
Power	AC 220V/50Hz or AC 110V/60Hz
Dimension	590 x 460 x 220mm
Weight	25kg
Drift	± 0.0004 Abs/h
Cell Holder	2 Cell Holder