

AE-SP1000 Series Visible Spectrophotometer

ISO/CE



Product Features:

- * 80x52mm backlit LCD display, directly reading absorbance, transmittance, and concentration.
- * Automatic zero adjustment at 0%T and full - scale adjustment at 100%T for more accurate test data.
- * Automatic wavelength adjustment with a minimum interval of 0.5nm, eliminating manual adjustment errors.
- * UV and visible light switching using an automatic light - seeking system, unaffected by lamp changes and transportation.
- * Deuterium lamp system with energy - saving mode, effectively extending the lifespan of the deuterium lamp.
- * Multiple data output options, including built - in printer output, USB drive output, and PC software control output.
- * Multiple power supply options, including 80 - 250V AC power, lithium battery power, and vehicle power.

Technical Specifications:

Mode	AE-SP1000 (VIS)	AE-SP1000 (UV)
Optical System	Single beam; with 1200line/mm grating	
Wavelength range (nm)	320- 1100	190 - 1100
Spectral Bandwidth (nm)	4	4
Wavelength Accuracy (nm)	±2	±2
Wavelength Repeatability (nm)	≤0.5	≤0.5
Transmittance Accuracy (%T)	≤0.5	≤0.5
Transmittance Repeatability (%T)	≤0.2	≤0.2
Stray Light (%T)	<0.2 @360nm	<0.2 @360nm @220nm
Spectral Range	0 - 200%T, -0.301- 3A, 0 - 9999C (0 - 9999F)	
Light Source	Tungsten	Tungsten & Deuterium
Display	Segment LCD	
wavelength adjustment	Automatic	
Data Output	U Disk, Built - in printer	U Disk, Built - in printer
Power Supply	AC90 - 250V/50 - 60Hz (DC12V-3A)	AC90 - 250V/50 - 60Hz
Weight (kg)	7	8

Standard Accessories:

- ◆ Spectrophotometer: 1
- ◆ 10mm 4 - position holder: 1
- ◆ User manual: 1
- ◆ Power Cord: 1
- ◆ 1cm Glass Cuvette: 4
- ◆ 1cm Quartz Cuvette (AE-SP1000 UV only): 2
- ◆ Dust Cover: 1