

AE LAB UV-VIS Spectrophotometer AE-S70 Series

AE-S70 Series spectrophotometers have the most attractive cost performance. It is widely used in colleges and enterprises for general quantitative analysis and experiments.

* The instrument use a lead screw structure so that the instrument wavelength accuracy and wavelength resolution can be greatly improved.

* 8mm thick optical base: the instrument use a rigid die-cost aluminum base as its optical mount to ensure instrument stability and reliability.

Features:

- ◆ Single beam spectrophotometer with highly stable optics.
- ◆ Extremely versatile with full functionality
- ◆ UV range: 190 to 1100nm, VIS range:320-1100nm.
- ◆ Spectral bandwidth 1.8 & 2nm.
- ◆ 6 inches & compact LCD display. Integrated user interface.
- ◆ USB port for data storage.
- ◆ ISO/CE Certificate passed.
- ◆ A & E Lab PC software available.
- ◆ Extensive range of accessories available.



Order Code	Description	
AE-S70-1U	Single beam,UV-VIS Spectrophotometer,LCD display	4 cell holder, Wavelength range 190-1100nm, Bandwith: 1.8nm.
AE-S70-2U		4 cell holder, Wavelength range 190-1100nm, , Bandwith: 2nm.
AE-S70-2V	Single beam,Visible Spectrophotometer,LCD display	Wavelength range 320-1100nm, ,Bandwith: 2nm, wavelength accuracy: ± 0.5 nm.

Technical Specifications:

Wavelength	
Wavelength Range	UV Range: 190-1100nm Visible Range: 320-1100nm
Wavelength Accuracy	± 0.5 nm
Wavelength Repeatability	± 0.2 nm
Band Width	1.8nm/2nm
Wavelength Setting	Auto
Photometric	
Photometric Accuracy	$\pm 0.3\%$ T
Photometric Repeatability	0.2%T
Photometric Display Range	0-200%T, -0.3-3.0A, 0-9999C
Stability	0.002A/h @ 500nm
Baseline Flatness	± 0.002 A/ ± 0.0015 A
Noise	± 0.001 A
Stray Light	$\leq 0.05\%$ T @220nm, 360nm
Others	
Data Output Port	USB
Printer Port	Parallel Port
Optical System	Single Beam (1200 lines/mm grating)
Display	LCD (320x240/128x64 Dots)
Lamps	Deuterium & Tungsten Halogen Lamp
Detector	Silicon Photodiode
Software	UV or VIS software
Power Supply	AC 220V/50Hz, 110V/60Hz.
Packing Size & Gross Weight	700x610x440mm & 25kg