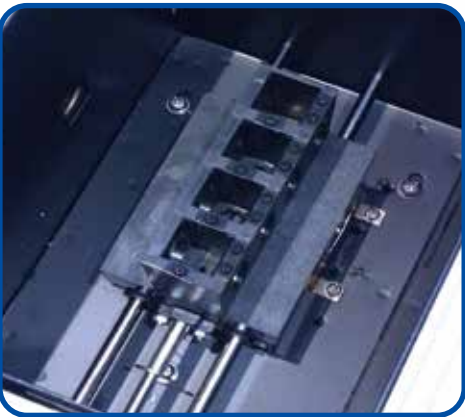


Spectrophotometer

SP-IUV4S SP-IUV4



Features

-  7-inch multi color touch-screen and patented technology to achieve simple and effective human-computer
-  interaction with a clear display of test data.
-  A built- in thermal printer (optional) to achieve printout of test results so as to facilitate the formation and retention of data reports.
-  A USB communication port and UVWIN8 professional data processing software (optional) to achieve data processing and mapping functions and storage of massive amounts of data files, and to facilitate the secondary development by customers.
-  Automatic wavelength setting, fast and accurate.Functions such as wavelength scanning (S model only), kinetic time scanning, automatic wavelength, linear regression, direct read-out of concentration, peak detection, regular printing and etc.
-  Advanced power shut-down protection measures to memorize detected data, regression equation and instrument correction parameters to achieve fast initialization.
-  Tungsten lamp and deuterium lamp with lifetime protection.

Applications

- Novel series spectrophotometer, being combined with an ARM processed core, has test speeds and functions possessed by high-end instruments. The instrument can meet the requirement of quantitative analysis for most samples conducted within the visible and ultraviolet-visible spectral range in conventional laboratories and is suitable for use in medicine and health, clinical examination, biochemical, petrochemical, environmental protection, quality control departments, colleges and universities and others.

Specification

Model	SP-IUV4S	SP-IUV4
Photometry	Single beam	
Monochromator Type	Czerny-turner	
Focal Length	160mm	
Grating	1200 lines/mm	
Detector	Silicon photocell	
Spectrum Bandwidth	2nm	
Wavelength Setting	7-inch color touch-screen	
Wavelength Range	190-1100nm	
Wavelength Accuracy	±1nm	
Wavelength Repeatability	≤0.5nm	
Photometric Range	0.0-200.0%T	
	-0.301-4.000A	
	0.000-9999C	
Photometric Accuracy	±0.3%T	
	±0.002Abs (0-0.5A)	
	±0.004 Abs (0.5-1A)	
Photometric Repeatability	≤0.15%T	
	0.001 Abs (0-0.5A)	
	0.002 Abs (0.5-1A)	
Scanning Speed	Fast-Medium-Slow	○
Baseline	≤±0.003A (200-1090nm)	○
Stray Light	≤0.1%T (at 220nm NaI, 360nm NaNO2)	
Noise	100% (T) Noise≤0.5%(T) , 0% (T) Noise≤0.2%(T)	
Drifting	±0.002 Abs/30min (at 250nm and 500nm after 2h warm up)	
Electricity	AC220V±22V 50Hz±1Hz,180W	
Dimension(L*W*H)	475*365*200mm	
N.W./G.W.	18kg/21.6kg	
Shipping Dimension(L*W*H)	630*535*405mm	

Standard Accessories

Model		SP-IUV4S	SP-IUV4
User Manual		1pc.	
Glass Cuvette 1cm		4pcs.	
Quartz Cuvette 1cm		2pcs.	
Power Cable		1pc.	
Fuse		2pcs.	

Optional Accessories

Internal thermal printer
UV WIN8 Spectrum data processing software
Cuvette holder 50mm
Cuvette holder 100mm

