UV/VIS Spectrophotometer



BK-V1000G/BK-UV1000G



BK-V1600G/BK-UV1600G



BK-UV1800G

Introduction:

It is based on the absorption spectrum of substances to study the composition of substances, structure and interaction between substances, with a wide wavelength range, high sensitivity, simple operation, simple structure, beautiful appearance and other advantages, can be widely used in chemical, pharmaceutical, biochemistry, metallurgy, light industry, textile, materials, environmental protection, medical laboratory and education and other industries. It is one of the important quality control instruments in the analytical test industry, and is a necessary instrument in conventional laboratories.



Biochemistry



Petrochemicals



Environmental Protection



Metallurgy

Features:

* Adjustable scanning speed: high, medium, or low.
* System upgrade capability, customers provide the instrument number for one-click USB upgrade (Lifetime free upgrades).
* Large storage capacity, capable of storing 57,600 sets of data.
* Test data can be exported via USB.
* Optional printer for real-time printing of measurement results.

Technical Parameters:

Model	BK-V1000G	BK-V1600G	BK-UV1000G	BK-UV1600G	BK-UV1800G
Display	Matrix LCD	LCD touch screen	Matrix LCD	LCD touch screen	
Optical System	Single beam, grating 1200L/mm				
Wavelength	325~1020nm	325~1100nm	200~1020nm	190~1100nm	
Spectral Bandwidth	4.0nm				2.0nm
Wavelength Accuracy	±1.5nm				±0.5nm
Wavelength Repeatability	≤0.2nm				
Photometric Accuracy	±0.002A(0~0.5A), ±0.004A(0.5~1.0A), ±0.4%T (0~100%T)				±0.002A(0~0.5A), ±0.004A(0.5~1.0A), ±0.3%T (0~100%T)
Photometric Repeatability	0.001A(0~0.5A), 0.002A(0.5~1.0A), ≤0.2%T (0~100%T)				0.001A(0~0.5A), 0.002A(0.5~1.0A), ≤0.15%T (0~100%T)
Stray Light	≤0.1%T(360nm)		≤0.1%T(220nm, 360nm)		≤0.05%T (220nm, 360nm)
Stability	±0.001A/h(500nm)				
Photometric Range	-0.301~3.0A; 0~200%T; 0~9999C				
Photometric Mode	A, T, C, F	A, T, C, E			
Wavelength Setting	Automatic				
Output	RS232, USB	RS232, USB, WiFi, bluetooth printer (Optional)	RS232, USB	RS232, USB, WiFi, bluetooth printer(Optional)	
Detector	Imported silicon photodiode				
Light Source	Tungsten lamp		Deuterium lamp, tungsten lamp		
Standard Accessory	10mm glass cuvette*4	10mm glass cuvette*4, PC software	10mm glass cuvette*4, 10mm quartz cuvette*2	10mm glass cuvette*4, 10mm quartz cuvette*2, PC software	
Optional Accessory	Thermal printer	Bluetooth printer	Thermal printer	Bluetooth printer	
Power Supply	AC 100~220V, 50/60Hz				
External Size(W*D*H)	466*365*200mm				466*365*220mm
Package Size(W*D*H)	590*450*310mm				
Net Weight	10.1kg	11.1kg	10.55kg	11.55kg	12kg
Gross Weight	13.8kg	14.8kg	14.75kg	15.75kg	16.2kg