

UV/VIS Spectrophotometer



BK-V2001/BK-UV2002



BK-V2003/BK-UV2004



BK-UV2006

Introduction:

BK-UV/V series spectrophotometer is a new generation of high-performance, high-reliability spectrophotometer series instruments, select high-performance optical accessories, high-precision 24-bit AD chip (traditional economic analog), mainstream wifi iot hardware. The economical instrument is intelligent, high performance, low noise, high stability and so on.

Features:

- * 7" High Definition 1024*768 Touch Screen.
- * The instrument supports cloud storage function, which can easily realize wechat sweep and add small programs.
- * The instrument uses a high resolution C-T monochromator, using the American AD company 24 high-precision AD chip, so that the economic instrument has the high-end instrument with low stray light (less than 0.1T%), high precision, high stability (0.002A).
- * The instrument has a powerful storage capacity, can store 2000 data, 96 working curves, greatly convenient for customers to use.
- * The instrument is standard equipped with USB interface and WIFI module, and Bluetooth module.

Technical Parameters:

Model	BK-V2001	BK-UV2002	BK-V2003	BK-UV2004	BK-UV2006
Display	7" High Definition 1024*768 Touch Screen				
Optical System	Single Beam				
Monochromator	C-T Monochromator, Blazed Holographic Grating 1200lines/nm				
Wavelength Range	340-1020nm	195-1020nm	320-1100nm	190-1100nm	190-1100nm
Bandwidth	4nm (2nm Optional)				2nm
Wavelength Setting	Manual		Auto		
Wavelength Accuracy	±2nm		±1nm		±0.3nm
Wavelength Reproducibility	±1nm		±0.5nm		±0.1nm
Stray Light	0.1%T				0.05%T
Photometric Range	0-200%T, -0.3-3.0A				
Photometric Accuracy	±0.5%T, ±0.004Abs (0-0.5A), ±0.008Abs (0.5-1.0A)				
Photometric Reproducibility	±0.5%T, ±0.004Abs (0-0.5A), ±0.008Abs (0.5-1.0A)				
Photometric Stability	±0.15%T, ±0.002Abs (0-0.5A), ±0.004Abs (0.5-1.0A)				
Lamp Switch	Auto, 340nm		Auto, 340nm (Settable)		
Stability	0.002A (500nm, 3min)				0.001A (500nm, 3min)
Noise	0.15%T				
Detector	Imported Silicon Photodiode				
Output	USB & Bluetooth				
WIFI Module	Yes				
Wireless Printing	Yes (Bluetooth Printer is Optional)				
PC Software	Optional				
IoT Module	Yes				
Supply Power	220V,50/60Hz; 110V,50/60Hz(Optional)				
External Size(W*D*H)mm	450*370*190	450*370*190	450*370*190	450*370*190	530*420*230
Package Size(W*D*H)mm	520*450*300	520*450*300	520*450*300	520*450*300	700*580*340
Net Weight(kg)	7	9	7	9	15
Gross Weight(kg)	9	11	9	11	19