



## SINGLE BEAM SCANNING UV VISIBLE SPECTROPHOTOMETER BKG-801

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## UV-VIS SPECTROPHOTOMETER



Long-life Light Source: Hamamatsu deuterium lamp and Osram Tungsten lamp reduce the cost of light source replacement and the frequency of maintenance.  
Low Stray Light: ensure the stray light is lower than 0.05% to meet clients' need when they want to test high absorbance samples.

High Wavelength Accuracy: ensure accuracy and long-term stability.

Wide Wavelength Range: meet the needs of most spectrophotometric tests.

High Photometric Accuracy: ensure that the measurement of optical light path to meet the design requirements, improve process efficiency of the Assembly to achieve high precision photometry testing index.

Flash disk storage: make it easy for users to manage data in the format like Excel etc.

Various offline quantitative measurement function: Electronic System use 32 bits

## SPECIFICATIONS

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| Model                    | BKG-801                                                           |
| Wavelength Range         | 190-1100nm                                                        |
| Spectral Bandwidth       | 2nm                                                               |
| Wavelength Accuracy      | ±0.5nm                                                            |
| Light Source             | Deuterium Lamp (over 2000 hours); Tungsten Lamp (over 5000 hours) |
| Wavelength Repeatability | ≤0.2 nm                                                           |
| Photometry Accuracy      | ±0.3%T                                                            |
| Photometry Repeatability | ≤0.15%T                                                           |
| Stray Light              | ≤0.05%T (220 nm, NaI)                                             |
| Baseline Flatness        | ±0.002 A                                                          |
| Stability                | ≤0.0008 A                                                         |
| Noise                    | ≤0.3%T (100%T), ≤0.1%T (0%T)                                      |
| Photometry Range         | 0.0-200%T; -0.3-4 A                                               |
| Display System           | 128 x 64 Pixel LCD Display                                        |
| Functional Port          | USB-A (Flash Drive), USB-B (PC), Serial Port (Printer)            |
| Instrument Dimensions    | 370 x 357 x 220 mm                                                |
| Weight                   | N.W.: 9 kg; G.W.: 10 kg                                           |
| Alt Name                 | UV-Vis Spectrophotometer                                          |

## FEATURES

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Flash disk storage: make it easy for users to manage data in the format like Excel etc.

Various offline quantitative measurement function: Electronic System use 32 bits ARM core processor system, equipped with 128\*64 big screen LCD, offline quantitative measurement could do multi wavelength test, Standard curve fitting and measurement, standard coefficient equation input, save and load standard equation, data storage and printing, quantitative measurement of concentration.

Powerful Software Function: Software could achieve spectrum scanning, time scanning, dynamic scanning, quantitative measurement, multi wavelength analysis and formula calculation, spectrum processing, find peak and valley, print data, etc. to meet different needs in various analysis fields.



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