



# SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU-1204

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## SINGLE BEAM SPECTROPHOTOMETER



1. Large 320\*240 dots highlighted LCD.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. A large sample chamber can accommodate 5-100mm cuvettes of all kinds.

## SPECIFICATIONS

| Model                     | BFU-1204                                                                                |
|---------------------------|-----------------------------------------------------------------------------------------|
| Optical System            | Single Beam, Grating 1200 lines/mm                                                      |
| Wavelength Range          | 320-1100nm                                                                              |
| Spectral Bandwidth        | 2nm                                                                                     |
| Wavelength Accuracy       |                                                                                         |
| Wavelength Repeatability  | 0.2 nm                                                                                  |
| Photometric Accuracy      | ±0.5%T                                                                                  |
| Photometric Repeatability |                                                                                         |
| Photometric Range         | 0-200%T, -0.3~3A, 0-9999C                                                               |
| Stray Light               | 0.05%T@220nm,360nm                                                                      |
| Stability                 | ±0.0005A/h@500nm                                                                        |
| Baseline Flatness         | ±0.002 A                                                                                |
| Noise                     | ±0.001 A                                                                                |
| Work Mode                 | T, A, C, E                                                                              |
| Scanning Speed            | Hi, Med, Low (Max. 3000nm/min)                                                          |
| Wavelength Setting        | Auto                                                                                    |
| Display                   | 320*240 LCD                                                                             |
| Light Source              | Deuterium & Tungsten lamp                                                               |
| Detector                  | Imported Silicon Photodiode                                                             |
| Cuvette Holder            | 10mm manual 4-cell holder                                                               |
| Output                    | USB, RS232                                                                              |
| Power                     | AC 110-220V 50-60Hz                                                                     |
| Shipping Size             | 810*660*390mm                                                                           |
| Gross Weight              | 27kg                                                                                    |
| Standard Accessories      | 10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual, PC software |
| Alt Name                  | Single Beam Spectrophotometer                                                           |

## FEATURES

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4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing,

analysis and storage.

5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.

6. A large sample chamber can accommodate 5-100mm cuvettes of all kinds.

7. Extensive accessories are optional, such as auto 8-cell holder, film holder, tube rack, peltier/sipper system, integrating sphere, reflection accessory, 21 CFR compliant software, etc.



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