



## PMT SPECTROPHOTOMETER BFU1E2

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1. 7 inches color screen and windows graphic interface.
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. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.

## SPECIFICATIONS

| Model                     | BFU1E2                                                                                   |
|---------------------------|------------------------------------------------------------------------------------------|
| Optical System            | Double Beam, Grating 1200 lines/mm                                                       |
| Wavelength Range          | 190-1100 nm                                                                              |
| Spectral Bandwidth        | 1nm                                                                                      |
| Wavelength Accuracy       | ±0.1nm@656.1nm, ±0.3nm@all                                                               |
| Wavelength Repeatability  | ≤0.1nm                                                                                   |
| Photometric Accuracy      | 0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)                                         |
| Photometric Repeatability | ≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)                                        |
| Photometric Range         | 0-200%T, -4~4A, 0-9999C (0-9999 F)                                                       |
| Stray Light               | ≤0.03%T@220nm, 360 nm                                                                    |
| Stability                 | ±0.0005A/h@500nm                                                                         |
| Baseline Flatness         | ±0.001A                                                                                  |
| Noise                     | 0.0005A@500nm                                                                            |
| Work Mode                 | T, A, C, E                                                                               |
| Scanning Speed            | Hi, Med, Low (Max. 3000 nm/min)                                                          |
| Wavelength Setting        | Auto                                                                                     |
| Display                   | 7 inches Color Screen                                                                    |
| Light Source              | Deuterium & Tungsten lamp                                                                |
| Detector                  | Imported Photomultiplier Tubes                                                           |
| Cuvette Holder            | 10mm single hole cell holder                                                             |
| Output                    | USB drive, USB host, 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                  | PMT Spectrophotometer                                                                    |



## FEATURES

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5. Socket type deuterium and tungsten lamps can make lamps switching without optics debugging and are easy to be replaced.
6. 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, built-in printer, 21 CFR compliant software, etc.



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