



SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFU-103

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SPECTROPHOTOMETER



1. 11-inch Touch Screen
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, Multiwavelength test, etc
3. Equipped with GLP/GMP functions, including user management, audit tracking, log inquiry, etc.
4. Support real-time sending of data via email and mobile SMS.
5. Adopts 3.0 Bluetooth protocol, with stable transmission and free interconnection within 10 meters.
6. Can be directly connected to laser printers via WiFi and thermal printers via Bluetooth.
7. Extensive accessories are optional, such as auto 5-cell/8-cell holder, film h

SPECIFICATIONS

Model	BFU-103
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Range	190-1100 nm
Spectral Bandwidth	1nm
Wavelength Accuracy	$\pm 0.1\text{nm}@656.1\text{nm}$, $\pm 0.3\text{nm}@all$
Wavelength Repeatability	$\leq 0.1\text{nm}$
Photometric Accuracy	$\pm 0.2\%T(0\sim 100\%T)$, $\pm 0.0005A(0-0.5A)$, $\pm 0.0008A(0.5-1A)$
Photometric Repeatability	$\leq 0.15\%T(0-100\%T)$, $0.0004A(0-0.5A)$, $0.0006A(0.5-1A)$
Photometric Range	0-400%T, -4~4A
Resolution	0.00001Abs
Stray Light	$\leq 0.03\%T@220\text{nm}$, 360nm
Stability	$\pm 0.0001A$
Baseline Flatness	$\pm 0.0004A$
Noise	0.0005A@500nm
Work Mode	T, A, C, E
Scanning Speed	Hi, Med, Low (Max. 6000nm/min)
Display	11-inch Touch Screen
Light Source	Deuterium & Tungsten lamp
Detector	Imported Silicon Photodiode
Cuvette Holder	10mm 4-cell holder
Output	Cloud connectivity/Email/SMS/Bluetooth/WiFi
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
Alt Name	Single Beam UV Visible Spectrophotometer

FEATURES

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6. Can be directly connected to laser printers via WiFi and thermal printers via Bluetooth.
7. Extensive accessories are optional, such as auto 5-cell/8-cell holder, film holder, tube rack, integrating sphere, reflection accessory, peltier/sipper system, 21 CFR compliant software, etc.



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