



SPLIT BEAM SCANNING VISIBLE SPECTROPHOTOMETER BIX-1001

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High-resolution C-T structure monochromator, excellent stability, reproducibility, and accuracy.

Advanced ARM microcomputer technology, superior electronic circuits and signal processing, ensuring stable and reliable data. Data stored in the instrument can be exported via USB drive, and the software supports one-click upgrades and Bluetooth printing, among other data output options.

Integrated aviation-grade aluminum alloy baseplate and precision-machined mirror holder to ensure long-term optical stability.

Seven-inch color LCD touchscreen display with a user-friendly navigation menu interface. The

interface offers clear operating commands and special features to prevent user errors, eliminating the need to consult the user manual. The instrument can be operated

SPECIFICATIONS

Model	BIX-1001
Wavelength Range	320-1100nm
Spectral Bandwidth	2nm
Wavelength Accuracy	±0.3nm
Optical System	Split beam; with 1200 line/mm grating
Wavelength Repeatability (nm)	≤0.1
Transmittance Accuracy (%T)	≤0.1
Stray Light (%T)	≤0.05 @ 220 nm @ 360 nm
Noise (%T)	0% ≤0.05; 100% ≤0.1
Drift (Abs)	≤0.001
Baseline Fitness (Abs)	±0.001
Spectral Range	0-200%T, -3.010-3A, 0-9999C (0-9999F)
Test Mode	Abs, Trans, Reflectance, Energy
Light Source	Tungsten lamp & Deuterium lamp
Monitor	7" LCD with touch panel
Language	Chinese, English, Russia, Spanish
Data Output	U Disk, Bluetooth, Upload to PC by USB port
Data Format	CSV
Sample Holder	10-50 mm adjustable
Power Supply	AC 90-250 V / 50-60 Hz
Size (LxWxH) mm	470 x 330 x 210
Weight (kg)	13
Alt Name	Visible Spectrophotometer

ITEMS INCLUDED

No	Name	Quantity
1	4-position 10-50mm adjustable holder	1
2	Power Cord	1
3	1cm Glass Cuvette	4
4	Dust Cover	1
5	User manual	1

FEATURES

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Integrated aviation-grade aluminum alloy baseplate and precision-machined mirror holder to ensure long-term optical stability.

Seven-inch color LCD touchscreen display with a user-friendly navigation menu interface. The

interface offers clear operating commands and special features to prevent user errors, eliminating the need to consult the user manual. The instrument can be operated via both touchscreen and buttons, even while wearing gloves.

Stringent manufacturing processes with 32 key quality control points ensure durability and robustness in every unit.

Large internal memory for storing extensive test data.

Key components such as deuterium lamp, tungsten lamp, photo detectors, precision lead screws, etc., are sourced from reputable international brands to guarantee instrument reliability.

Four-slot adjustable manual sample rack with a range of 10-50mm path length, accommodating various cuvette sizes for testing requirements.

Independently designed deuterium lamp and tungsten lamp replacement windows with a flange-style positioning structure for easy replacement.



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