



SCANNING VISIBLE SPECTROPHOTOMETER BIX-501

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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 base plate and precision - machined mirror holder to ensure long - term optical stability.

4.3-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.

SPECIFICATIONS

Model	BIX-501
Wavelength Range	320-1100nm
Spectral Bandwidth	2nm
Wavelength Accuracy	±0.5nm
Optical System	Single beam; with 1200 line/mm grating
Wavelength Repeatability (nm)	≤0.2
Transmittance Accuracy (%T)	≤0.5
Transmittance Repeatability (%T)	≤0.2
Stray Light (%T)	≤0.1 @ 360 nm
Noise (%T)	0% ≤0.1; 100% ≤0.2
Drift (Abs)	≤0.002
Baseline Fitness (Abs)	±0.002
Spectral Range	0-200%T, -0.301-3A, 0-9999C (0-9999F)
Test Mode	Abs, Trans, Reflectance, Energy
Light Source	Tungsten lamp & Deuterium lamp
Monitor	4.3" LCD with touch panel
Language	Chinese, English, Russia, Spanish
Data Output	U Disk, Upload to PC by USB port
Data Format	CSV
Sample Holder	5-50 mm adjustable
Power Supply	AC 90-250V / 50-60Hz
Size (LxWxH) mm	460 x 310 x 180
Weight (kg)	11
Alt Name	Visible Spectrophotometer

FEATURES

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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.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com