



DOUBLE BEAM SCANNING VISIBLE SPECTROPHOTOMETER BIX-1101

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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. 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.

Seven - inch color LCD touchscreen display with a user - friendly navigation 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-1101
Wavelength Range	320-1100nm
Spectral Bandwidth	1.8nm
Wavelength Accuracy	±0.3nm
Optical System	Double-beam; with 1200 lines/mm grating
Wavelength Repeatability (nm)	≤0.1
Transmittance Accuracy (%T)	≤0.1
Stray Light (%T)	≤0.05 @ 360 nm
Noise (%T)	0% ≤0.05; 100% ≤0.1
Drift (Abs)	<0.001
Baseline Fitness (Abs)	±0.001
Spectral Range	0-20%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, Uploaded to PC by USB port
Data Format	CSV
Sample Holder	10-50 mm adjustable
Power Supply	AC 90-250V / 50-60Hz
Size (LxWxH) mm	475 x 330 x 210
Weight (kg)	12
Alt Name	Visible Spectrophotometer

FEATURES

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

Large internal memory for storing extensive test data.

Key components such as deuterium lamp, tungsten lamp, photodetectors, 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 cuvette 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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