



SINGLE BEAM SCANNING UV VISIBLE SPECTROPHOTOMETER BIX-701

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BIX-701

UV VISIBLE SPECTROPHOTOMETER



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.

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.

SPECIFICATIONS

Model	BIX-701
Wavelength Range	190-1100nm
Spectral Bandwidth	2.0nm
Wavelength Accuracy	±0.3nm
Optical System	Single beam; with 1200 line/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	0-200%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 & Weight (kg)	470 x 330 x 210 mm, 11 kg
Alt Name	UV Visible Spectrophotometer

FEATURES

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.

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.



Biolab Scientific Ltd.

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

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