



SINGLE BEAM SCANNING UV VISIBLE SPECTROPHOTOMETER BIX-401

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BIX-401

UV-VISIBLE SPECTROPHOTOMETER



High Level of Intelligence: Controlled by an ARM chip for fast data processing, equipped with a 128x64 dot array graphic LCD display, featuring rich instructions for ease of use. It supports USB data export, one - click system upgrades, customizable wavelength calibration values, and automatic wavelength calibration, eliminating the need for manual adjustments. The lamp usage time is automatically accumulated for easy monitoring. The lamp source switch menu can be closed when the instrument is not in use, effectively extending the instrument's lifespan. It supports automatic language switching between Chinese and English in file management.

Comprehensive Menu Functions: It includes built - in programs for photometry, quantitative measurement (standard curve), spectrum scanning, time scanning, DNA/protein measurement, instrument verification measurement, multi - wavelength meas

SPECIFICATIONS

Model	BIX-401
Wavelength Range	190-1100nm
Spectral Bandwidth	2nm
Wavelength Accuracy	±1nm
Optical System	Single beam; with 1200 line/mm grating
Wavelength Repeatability (nm)	≤0.5
Transmittance Accuracy (%T)	≤0.5
Transmittance Repeatability (%T)	≤0.2
Stray Light (%T)	≤0.1 @ 360 nm @ 220 nm
Spectral Range	0-200%T, -0.301-3A, 0-9999C (0-9999F)
Light Source	Tungsten lamp & Deuterium lamp
Monitor	Graphic LCD (128x64)
Language	Chinese, English
Data Output	U Disk, Bluetooth, Upload to PC by USB port
Data Format	CSV
Power Supply	AC90-250V / 50-60Hz
Size (LxWxH) mm	450x390x210
Weight (kg)	12
Alt Name	UV-Visible Spectrophotometer

FEATURES

High Level of Intelligence: Controlled by an ARM chip for fast data processing, equipped with a 128x64 dot array graphic LCD display, featuring rich instructions for ease of use. It supports USB data export, one - click system upgrades, customizable wavelength calibration values, and automatic wavelength calibration, eliminating the need for manual adjustments. The lamp usage time is automatically accumulated for easy monitoring. The lamp source switch menu can be closed when the instrument is not in use, effectively extending the instrument's lifespan. It supports automatic language switching between Chinese and English in file management.

Comprehensive Menu Functions: It includes built - in programs for photometry, quantitative measurement (standard curve), spectrum scanning, time scanning, DNA/protein measurement, instrument verification measurement, multi - wavelength measurement, and more.

Convenient Data Processing: It can store up to 1000 sets of experimental data and can be equipped with built - in or external miniature printers for output. Additionally, it can be connected to a computer with dedicated analysis software for more data

processing and analysis capabilities.

Multiple Optional Accessories: Available accessories include an 8 - position automatic sample rack, single - slot microsample rack (minimum measurable 50 samples), 5 - 10 cm sample racks (suitable for water quality testing), and single - slot or three - slot water bath cuvette racks (suitable for temperature - controlled sample requirements), expanding its application in various fields. Optional PC control software is also available for extended functionality.



Biolab Scientific Ltd.

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

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