



## SINGLE BEAM SCANNING UV VISIBLE SPECTROPHOTOMETER BIX-601

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## 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.

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-601                                |
|----------------------------------|----------------------------------------|
| Wavelength Range                 | 190-1100nm                             |
| 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 @ 220 nm, 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 90-250 V / 50-60 Hz                 |
| Size (LxWxH) mm                  | 460 x 310 x 180                        |
| Weight (kg)                      | 12                                     |
| Alt Name                         | UV-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.



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