



DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BIX-1401

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High Stability: Utilizing the Czerny - Turner double - beam optical system and an integrated 12mm aerospace - grade aluminum optical mounting platform to ensure long - term data stability. Instrument drift is less than 0.0006 Abs.

High Precision: Equipped with precision screw - drive optics, ensuring wavelength accuracy of less than 0.3, transmittance accuracy of less than 0.3%. The instrument achieves accuracy levels equivalent to Class I.

User - Friendly: Features a 10 - inch - large capacitive touchscreen, an Android - based navigation menu operating system, and Bluetooth data transmission for graphical display. Includes built - in specialized programs for photometric measurements, quantitative measurements, qualitative measurements, time measurements, DNA/protein measurements, and multi - wavelength measurements. Offers 32GB of internal memory and supports data output via USB, Email, U - disk, and Wi - Fi

SPECIFICATIONS

Model	BIX-1401
Wavelength Range	190-1100nm
Spectral Bandwidth	0.5 / 1 / 2 / 4 / 5 (variable)
Wavelength Accuracy	±0.3
Optical System	Double beam with 1200 lines/mm grating
Wavelength Repeatability (nm)	≤0.1
Transmittance Accuracy (%T)	≤0.3
Transmittance Repeatability (%T)	≤0.2
Stray Light (%T)	≤0.03 @ 220 nm @ 360 nm
Noise (%T)	0% ≤0.05; 100% ≤0.1
Drift (Abs)	≤0.0008
Baseline Fitness (Abs)	±0.0008
Spectral Range	0-200%T, -0.301-4A, 0-9999C (0-9999F)
Test Mode	Abs, Trans, Reflectance, Energy
Light Source	Tungsten lamp & Deuterium lamp
Monitor	10.1" LCD with touch panel
OS & Language	Android / Chinese / English
Data Output	USB 1.1, Email, U disk, WiFi
Data Format	CSV, PDF
Memory	32 GB (256 GB extended)
Power Supply	AC 90-250 V / 50-60 Hz
Size (LxWxH) mm	650 x 510 x 210
Weight (kg)	30
Alt Name	Double Beam UV Visible Spectrophotometer

FEATURES

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measurements. Offers 32GB of internal memory and supports data output via USB, Email, U - disk, and Wi - Fi printing.

Easy Maintenance: The lamp chamber is easily accessible, allowing for convenient replacement of deuterium and tungsten lamps. The spacious sample chamber can accommodate various accessories and devices.

Long Service Life: Utilizes original imported deuterium and tungsten lamps to ensure a lamp lifespan of up to 2 years and a receiver lifespan of up to 20 years. The fully - sealed optical system design prevents optical components from corrosion or degradation due to external environmental factors.

Versatile Accessories: Various optional accessories are available, including a 1 - 10cm single - slot long optical path cuvette rack, automatic sample rack, water bath constant temperature sample rack, Peltier constant temperature sample rack, peristaltic pump automatic sampler, water bath constant temperature sampler, integrating sphere diffuser device, 5° mirror reflection device, and more.

APPLICATIONS

Widely used in pharmaceuticals, food safety, biochemistry, cosmetics, environmental monitoring, agriculture, forestry, animal husbandry, optical materials, petrochemicals, and other fields, the SP series spectrophotometers are high - end analytical instruments commonly used in laboratories.



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