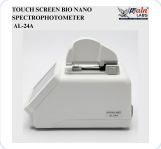
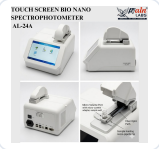
TOUCH SCREEN BIO NANO SPECTROPHOTOMETER AL-24A

Code: AL-24A GST: 18% Brand: AVAIN LABS







AVAIN LABS® TOUCH SCREEN BIO NANO SPECTROPHOTOMETER AL-24A

The AVAIN LABS® Touch Screen Bio Nano Spectrophotometer AL-24A is an advanced, high-precision analytical instrument designed for rapid and accurate quantification of DNA, RNA, proteins, and other biological samples. Engineered with cutting-edge nano spectrophotometry technology and a user-friendly touch screen interface, this compact laboratory instrument is ideal for molecular biology, biotechnology, pharmaceutical, clinical, and research laboratory applications.

The AL-24A Bio Nano Spectrophotometer is specially designed for ultra-micro sample volume analysis, requiring only 0.5–4 µl sample without any dilution. Its high-speed detection system delivers results in just 0.2 seconds, enabling fast and efficient sample analysis while minimizing sample consumption.

Equipped with a durable Xenon Lamp with a lifespan exceeding 2000 hours, the instrument provides stable performance and reliable measurement accuracy across a wavelength range of 200–800 nm. The advanced optical system ensures highly accurate nucleic acid and protein quantification with excellent wavelength precision and absorbance stability.

The integrated Android operating system and included software provide easy operation, data management, and intuitive analysis through a responsive touch screen display. Its compact design, precision optics, and high sensitivity make it an ideal solution for modern laboratories requiring rapid and accurate bio-sample testing.

Key Features

- Touch screen operation with Android-based system
- Ultra-micro sample testing (0.5–4 µl)
- No sample dilution required
- Fast scanning speed – results in 0.2 seconds
- Accurate DNA, RNA, and protein quantification
- High-performance Xenon lamp with 2000+ hours life
- Compact and user-friendly design
- Advanced software included for data analysis
- High sensitivity and precise optical measurement
- Ideal for molecular biology and research laboratories

Applications

- DNA and RNA quantification
- Protein concentration analysis
- Molecular biology laboratories
- Biotechnology research centers
- Pharmaceutical laboratories
- Clinical and diagnostic laboratories
- Academic and research institutions

Benefits

- Reduces sample consumption
- Delivers rapid and accurate test results
- No dilution required for small samples
- Easy operation with touch screen interface
- Reliable performance with long-life light source
- Enhances laboratory productivity and efficiency
- Compact and low-maintenance design

Technical Specifications

Specifications

Model	AL-24A
Product Type	Touch Screen Bio Nano Spectrophotometer
Sample Volume	0.5 – 4 µl
Detection Time	0.2 Seconds
Wavelength Range	200 – 800 nm
Resolution	1 nm
Nucleic Acid Detection Range	Up to 3750 ng/µl
Wavelength Accuracy	± 1 nm
Absorbance Range	0.02 – 3.00 Abs
Path Length	0.5 mm
Light Source	Xenon Lamp
Lamp Life	More than 2000 Hours
Operating System	Android
Software	Included

Available models (2)

Cat. No.	Model / Size	HSN
AL-24A	Touch Screen Bio Nano Spectrophotometer	
AL-25A	Automatic Bomb Calorimeter Microprocessor	

Scan for details & enquiry