



NANO SPECTROPHOTOMETER BEP1K1

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1. User-friendly software, easy to use

Graphical software operation, more intuitive interface, the results can be directly exported, easy to save, view and output data.

2. Micro-volumes measuring

Only 0.5 μ L-2 μ L sample is needed for each test. After the measurement, the samples can be recovered and precious samples can be studied with confidence.

3. Fast detection

No dilution or cuvette needed in the detection process; 5 s can complete the test and display the result.

4. Long life light source, do not need to warm up

Xenon flash, life span is 10^8 (up to 10 years). No preheating, direct use, ready to test in any time.

SPECIFICATIONS

Model	BEP1K1
Minimum Sample Size	1-2.0 μ l
Wavelength Range	260nm, 280nm
Absorbance Range	0.02-80A
Absorbance Accuracy	1% (7.332Abs at 260nm)
Absorbance Precision	0.005Abs
Photometric Repeatability	<1.5%
Path Length	0.5 mm
Light Source	UV LED
Detector	UV-silicon photocell
Detection Range	Nucleic acid up to 10-4000ng/ul (dsDNA)
Measurement Time	< 8s
OD600 nm Measurement	
OD600 nm Measurement - Wavelength Range	600 \pm 8 nm
OD600 nm Measurement - Absorbance Range	0-4A
Software	USB
Software Compatibility	Android System
Sample Pedestal Material	Aluminium alloy and Quartz fiber
Dimension (W/D/H)	210x280x181 mm
Weight (Net/Gross)	3.5 kg
Standby Power	5 W
Power	25 W
Power Supply	24V DC
Alt Name	Nano Spectrophotometer

FEATURES

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5. High concentration detection

The maximum concentration of the detectable sample is 15000 ng/μL (dsDNA as an example), and the sample basically does not need to be diluted.

6. Convenient and easy to use

Directly point the sample on to the sample plate without dilution or cuvette. The sample concentration can be measured as 50 times of the conventional uv-visible photometer, and the result can be directly output as the sample concentration.

7. Single machine operation, convenient and efficient

8. It is a full-wavelength micro-spectrophotometer, and it is a fixed wavelength ultra-micro nucleic acid analyzer.

Advantages:

It is a fixed wavelength (260 nm, 280 nm, 365 nm) ultra-micro nucleic acid analyzer, which is used for routine analysis of micro sample testing and is a supplement to the full wavelength instruments

Android system, 7-inch capacitive touch screen, no computer connection required.

LED light source, long life component.

It is mainly used to detect the concentration and purity of nucleic acid, and to detect the concentration of nucleic acid at 260 nm, the concentration of protein at 280 nm. The 260 / 280 ratio is used to measure the purity.

Newly designed OD600 optical path detection system, new cuvette mode, convenient for the concentration detection of bacteria, microorganisms and other culture solutions.

The test data is transferred to the computer via USB for easy sorting and analysis.

Easy-to-use data printing options, can print the report directly through the built-in printer.

APPLICATIONS

Ideal choice for quantitation of protein, DNA, RNA and photometric measurements in analytical labs and research areas.



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