



ULTRA-MICRO SPECTROPHOTOMETER



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DarsunScientific

FEATURES



Fluorescence system



OD600 with OD600 bacterial
Solution microbial detection



Four optical path detection
technology is use



Built-in printer



Light blinking



Sample without dilution



The android operating
system



Storage repeatability
and high linearity

Darsun Scientific

ULTRA-MICRO SPECTROPHOTOMETER

DSD-2112B



Product Features

1. Light Source Flickering: The low-intensity stimulation allows for faster
2. Light Source Flickering: The low-intensity stimulation allows for faster detection of the sample, and it is less prone to degradation;
3. 4-Path Detection Technology: offering improved stability, repeatability, better linearity, and a broader measurement range;
4. Sample Concentration: Samples do not require dilution;
5. Fluorescence Function: Can detect DNA with concentrations at the pg level ;
6. Easy-to-use data-to-printer options with a built-in printer, allowing you to directly print reports;
7. Developed with an independent Android operating system, featuring a 7-inch capacitive touch screen.

Model	DSD-2112B
Wavelength Range	190-850nm
Light Range	0.02mm, 0.05mm (High concentration measurement)0.2mm, 1.0mm (General concentration measurement)
Light Source	Xenon flashing light
Absorbance Accuracy	0.002Abs(0.2mm Light Range)
Absorbance Range(Equivalent to 10mm)	0.02- 300A
OD600	Absorbance range: 0~6.000 AbsAbsorbance stability: [0,3]≤0.5%, [3,4]≤2% Repeatability of absorbance: 0,3]≤0.5%, [3,4]≤2% Absorbance Accuracy: [0,2]≤0.005A, [2,3]≤1%, [3,4]≤2%
Operation Interface	7 inch touch screen; 1024×600HD display
Sample Volume	0.5-2μL
Nucleic Acid/Protein Testing Range	0-27500ng/ μl (dsDNA); 0.06-820mg/ml BSA
Fluorescence Sensitivity	DsDNA: 0.5pg/ μL
Fluorescence Linearity	≤1.5%
Detectors	HAMAMATSU UV-enhanced; CMOS Line Array Sensors
Absorbance Accuracy	±1%(7.332Abs at 260nm)
Testing Time	<5S
Power Consumption	25W
Power Consumption at standby	5W
Power Adapter	DC 24V
Dimensions (W×D×H)	200×260×65(mm)
Weight	5kg