



IN SUPPORT OF INNOVATIVE RESEARCH



MSME
MINISTRY OF MSME, GOVT. OF INDIA



NABI

UV/VIS NANO

SPECTROPHOTOMETER



TECHNICAL SPECIFICATIONS :-

General Specification

Light Source	Xenon Flash Lamp
Detector	CCD [2,048 Pixels]
Wavelength Accuracy	±1 nm
Wavelength Range	190-1100 nm
Spectral Resolution	0.3 nm
Dimension	220 x 280 x 220 mm , 8.6 X 11.Q X 8.6 in
Weight	5 kg
Operator Voltage	100 - 240 V, 50 - 60 Hz
Power Consumption	80- 100W
Warranty	1 Year
LCD Touch Panel	7.0 in

Nano Volume Specificaliton

Absorbance Precision	1% at 100 ng/μl
Absorbance Range	0 - 300 Abs. [10 nm equivalent]
Detection Limit	2 ng/μl [dsDNA]
Maximum Concentration	15,000 ng/μl [dsDNA]
Measurement Time	5 sec
Minimum Sample Size	1 μl
Path Length	0.01 - 1.2 mm [Auto-ranging]

Cuvette Specificaliton

Beam Height	8.5mm
Absorbance Range	0.002 - 2.0 Abs.
Measurement Time	3 sec



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Variety & Precision in Detection

- End Point & Kinetic Mode in Detection
- High Speed Spectrum Reading (5 Seconds)
Accurate Detection (Less than ± 0.002)
- Wide Range of Wavelength Detection with Cuvette
- Nano Volume Sample Measurement (Nucleic Acid/ Protein)
- High Repeatability in Quantitative Measurement for Nucleic Acid

Simple & Light in Design

- Compact Size and Light Weight
- Easy Operation with Minimized Steps for Measurements and Analysis
- 7.0 inch Touch LCD
- Quick Boot- No Lamp Warm-up Time
- Stand-Alone - Perform All Functions without PC

Result Analysis

- Single Wavelength/ Spectrum Selection
- End Point/ Kinetic Mode Selection
- Quantitative Measurements for Nucleic Acid, Protein, and etc.
- Cell Concentration
- Simple Data Backup and Software Upgrade via USB Flash Drive
- Easy to Confirm the Result via Graphical Presentation



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