

# NeoDot - Microvolume spectrophotometer

## NB-12-5001

### NeoDot - Microvolume spectrophotometer

NeoDot – UV/VIS Nano Spectrophotometer can conveniently read samples in cuvette or microvolume, and also receive results from single wavelength and full spectrum. NeoDot is a standalone instrument which utilizes 7.0 inch touch-enabled LCD. All data can be transferred to PC just with a USB.



### PRODUCT FEATURES

- Sample processing in cuvette and micro volume pedestal
- Spectrometry analyzes single or full spectrum
- Small and portable size
- Easy maneuver/operation with 7" LCD screen (Stand-alone)
- Easy back up with a USB Flash drive
- Parameters: DNA/RNA, Protein, Cell, End point, Kinetic, Spectrum

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### TECHNICAL SPECIFICATIONS

#### General Specification

Application	To measure the purity of the samples through detection and calculation of the absorbance in specific or wavelength or wavelength range.
LCD Touch Panel	7.0"
Light Source	Xenon Flash Lamp
Detector	CCD (2,048 Pixels), (reference beam available)
Wavelength Accuracy	±1 nm
Wavelength Range	190 – 1,100 nm
Spectral Resolution	0.3 nm
Dimension	220 x 280 x 220 mm
Weight	5 kg
Indoor/Outdoor Usage	Indoor use only
Agency Listings	CE
Warranty	2 years

#### Nano-Volume Specification

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 Specification

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