

# NeoDot - Microvolume spectrophotometer



## General Specification

Product	NeoDot – UV/Vis Nano Spectrophotometer
Application	To measure the purity of the samples through detection and calculation of the absorbance in specific or wavelength or wavelength range.
Dimension	220 x 280 x 220 mm (8.6 x 11.0 x 8.6")
Weight	5 kgs
Operator Voltage	100 – 240V, 50 – 60 Hz
Power Consumption	80 – 100W
LCD Touch Panel	7.0"
Wavelength Range	190 – 1100 nm
Wavelength Accuracy	±1 nm
Spectral Resolution	0.3 nm
Indoor/Outdoor Usage	Indoor use only
Agency Listings	CE
Warranty	2 Years

## Micro Volume Specification

Absorbance Precision	1% at 100ng/ $\mu\ell$
Absorbance Range	0 – 300 Abs. (10 nm equivalent)
Detection Limit	2ng/ $\mu\ell$ (dsDNA)
Maximum Concentration	15,000 ng/ $\mu\ell$ (dsDNA)
Measurement Time	5 seconds
Minimum Sample Size	1 $\mu\ell$
Path Length	0.01 – 1.2mm (Auto-ranging)

## Cuvette Specification

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