



# Nano Spectrophotometer LNS-B10

Nano Spectrophotometer LNS-B10 is a compact and table-top unit comprised with UV-silicon photocell detector and UV-LED light source, offers 260 nm and 280 nm of fixed wavelength range with 0.5 mm of path length. With 1 to 2  $\mu$ l of minimum sample size, can detect nucleic acid concentration and purity at 260/280 ratio within 6 s. Equipped with OD600 optical path with LED light source, features 600  $\pm$  8 nm of wavelength range for bacteria concentration detection. Designed with 7-inch touch screen display, android software compatibility, and aluminum alloy and quartz fiber sample pedestal, has built-in printer and USB interface for easy data processing.

## Features

- ❑ A compact and table-top unit with UV-silicon photocell detector and UV-LED light source
- ❑ 260 nm and 280 nm of fixed wavelength range with 0.5 mm of path length
- ❑ 1 to 2  $\mu$ l of minimum sample size, without colorizing cup or capillary accessories
- ❑ Can detect nucleic acid concentration and purity at 260/280 ratio within 6 s
- ❑ OD600 optical path with LED light source and 600  $\pm$  8 nm wavelength range for bacteria concentration detection
- ❑ 7-inch touch screen display with android operating system, convenient operation
- ❑ Aluminum alloy and quartz fiber sample pedestal, long life with easy maintenance
- ❑ Built-in printer and USB interface for easy data processing
- ❑ Highly-efficient, stable and reliable unit with easy operation

## Application

Nano Spectrophotometer is used for measuring nucleic acid concentrations and purity in a 1 to 2  $\mu$ l drop across biotechnology, microbiology, biochemistry, immunology, cytology etc.

## Specifications

Model	LNS-B10
Wavelength	260 nm and 280 nm; Fixed
Spectral resolution	≤ 8 nm
Path length	0.5 mm
Minimum sample size	1 to 2 μl
Absorbance range	0.2 to 50 A
Absorbance accuracy	2% (7.332 Abs at 260 nm)
Absorbance precision	0.005 Abs
Light source	UV LED
Measurement time	< 6 s
OD600 wavelength	600 ± 8 nm
OD600 absorbance range	0 to 4 A
OD600 light source	LED
Detector	UV-silicon photocell
Sample pedestal	Aluminum alloy and quartz fiber
Display	7-inch touch screen display
Software compatibility	Android
Printer	Built-in printer
Interface	USB
Nucleic acid detection up to	10 to 2500 ng/μl (dsDNA)
Power supply	DC 24 V 4 A
Power consumption	25 W
Standby power consumption	5 W
Dimension (W×D×H)	208×280×186 mm
Weight	2 kg