



## Analytical Balance & Scientific Instruments



### NANO BIOPHOTOMETER

### SPECIFICATIONS

#### SALIENT FEATURES

- Can measure 0.5~3  $\mu$ l samples.
- Quick measure without pre-warm.
- There's no need to dilute the samples
- Quick Scan, curve in only 0.2 seconds.
- Long life lamps. more than 2000 hours.
- Software comes standard with the instrument.

#### FUNCTIONS

##### (i). Nucleic Acid Quantitative Mode

ds DNA      ss DNA      ss RNA

Ratio calculation (A260/A280)

##### (ii) Protein Quantitative Mode

Bradford Method      Lowry Method

BCA Method      Biuret Method

Colloidal Gold Method      UV Absorbance Method

##### (iii) UV-VIS Scan

MODEL	LMNB-50
Make	LABMAN
Sample Size	0.5 ~ 3 $\mu$ L
Wavelength Range	200~850nm
Wavelength Resolution	1nm
Wavelength Accuracy	$\pm$ 1 nm
Absorbance Precision & Range	0.002 Abs & 0.02~300 Abs
Absorbance Accuracy	1 %
Detector type	Silicon Catalytic Combustion Detector array ( CCD)
Path Length	0.5 mm
Light Source	D2 & Tungsten Lamp
Detection range	up to 2~3750ng / $\mu$ l dsDNA.
Detects Protein	up to 0. 1 mg/ml~100mg/ml
Abs Measurement Time	< 4 sec
Dimension (mm) WxDxH	200 x 180 x 130
Gross Weight	3 kg

★ LMNB-50 is a new designed Model, suit for quick test of DNA, RNA & Protein especially for small size samples.