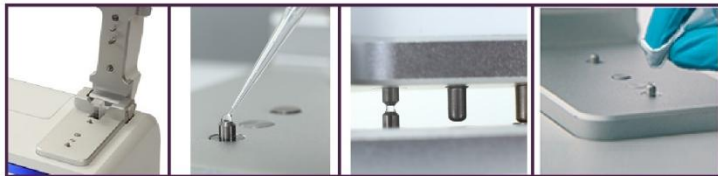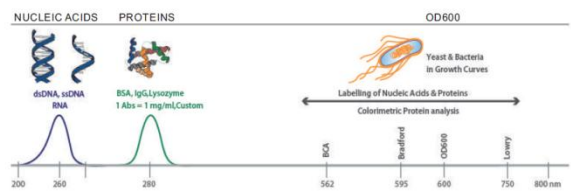**TOPLAB INDIA**

Nano (Micro) Spectrophotometer

≫ TL-3000Nano

TOPLAB INDIA'S TL-3000Nano is most advanced Spectrophotometer instrument of Nano (Micro) UV-VIS Spectrophotometer with full range of wavelength (200-800nm). It is with an added new function of bacterium cell concentration measurement in a Cuvettes.

The TL-3000Nano only requires 0.5-2ul sample to measure nucleic acids, protein as quickly. The Nano Spectrophotometer come with a 7 inch touch screen and integrated Android operating system, with no computer required. It is ideal equipment for a biology laboratory to make life science research more efficient.

Applications

Features ▦ ≫

Large Touch Screen Display	7" inch touch screen Diaplay with simple interface. Instrument can be used independently, no need computer to operate Nano Spectrophotometer.
Micro-volume Sample	TL-3000Nano only require 0.5-2µl sample to perform accurate measurements. Direct micro-volume measurement with 0.5-2ul of sample. Eliminates the need for expensive accessories.
Wavelength Range	Wide range of wavelength 200-800nm and Pathlength 0.2mm/1.0mm.
Fast Scan & measurement	Turn on and instantly measure without lamp warm up time; Full scan capability from 200-800nm with 6 sec
Xenon flash lamp	Long life of Xenon flash lamp for up to 10 years.
Bacterial Conc. Measurement	Based on OD600 measurement meathod, ideal for bacterial concentration measurement.
Data Output & Software Update	Flexible data output. The data can be printed with built-in printer, and output via USB memory stick. Android operating system with free software update.
Auto Switch Off	Switch off automatically when the TL-3000Nano Spectrophotometer is idle for more than 5mins, and awake by touching the screen.

Nano (Micro) Spectrophotometer

Technical Specification ···· »

Model	TL-3000Nano
Wavelength Range	200~800nm
Path Length (Bandwidth)	0.2mm (High concentration) & 1.0mm (Ordinary concentration)
Sample Size	0.5~2.0ul
Ligth Source	Xenon flash lamp
Detector Type	3864-element linear silicon CCD array
Wavelength Accuracy	1nm
Spectral Resolution	≤3nm (FWHM at Hg 546nm)
Absorbance Precision	0.003Abs
Absorbance Accuracy	1% (7.332Abs at 260nm)
Absorbance Range	0.02 - 100A
Detection Range	10~5000ng/ul (dsDNA)
Measurement Time	<6 Seconds
Sample Pedestal Material	Aluminum alloy and Quartz fiber
Data Output	USB, SD-RAM Card
Software Compatibility	Android System
Operating Voltage	24VDC
Power Consumption	40W
OD600nm Measurement:	
Light Source	LED
Wavelength Range	600nm (±8nm)
Abosorbance Range	0~4A
Dimensions (W x D x H)mm	210 x 268 x 181
Weight	2.8kg

Standard Accessories ⠿ »

Item	Description	Quantity	Unit
1	TL-3000Nano Spectrophotometer	1	set
2	Cuvettes for TL-3000Nano	4	pcs
3	Power cord	1	pcs
4	User's Manual	1	pcs
5	micropipette	1	pcs
6	Dust Cover	1	pcs