

# Micro Spectrophotometer

## Nano-300

The Nano-300 is an advanced model of Micro UV VIS Spectrophotometer based on Nano-100, with full range of wavelength (200-800nm). It is with an added new function of bacterium cell concentration measurement (OD600) in a cuvette. The Nano-300 only requires 0.5-2ul sample to measure nucleic acids, protein as quickly like Nano-100 do. Nano-300 come with a 7 inch touch screen and integrated Android operating system, with no computer required. It is an ideal equipment for a biology laboratory to make life science research more efficient.

Model	Nano-300
Wavelength Range	200~800nm
Sample Size	0.5~2.0ul
Path Length	0.2mm (For high concentration measurement) 1.0mm (Ordinary concentration)
Light 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	<6s
Dimensions (W x D x H)mm	210 x 268 x 181
Data Output	USB, SD-RAM Card
Weight	2.8kg
Sample Pedestal Material	Aluminum alloy and Quartz fiber
Operating Voltage	24VDC
Operating Power Consumption	40W
Standby Power Consumption	5W
Software Compatibility	Android System

### OD600nm Measurement:

Light Source	LED
Wavelength Range	600±8nm
Abosorbance Range	0~4A



## Features

7 inch touch screen with simple interface

Android operating system

Ideal OD600 measurement for bacterial concentration

Wide range of wavelength (200-800nm)

Long life's Xenon flash lamp

Require 0.5-2ul sample to perform

## Accessories

S. No.	Code	Description
1	AS-11020-00	Nano-300 Micro-Spectrophotometer, DC24V 5W
2	AS-11021-01	Cuvette for Nano-300

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