

GENAXY®

Customer Satisfaction Through Business Ethics



Micro-Spectrophotometer GEN-Nano-100/300/400A/500

GEN-Nano-100/300/400A/500

GEN-Nano 100

The GEN-Nano-100 is a perfect instrument for micro-volume UV-VIS spectrophotometer. It can accurately measure DNA, RNA and Oligonucleotide concentrations, protein assays etc.. The GEN-Nano-100 utilizes CCD detector, a light source for long lifetime Xenon lamp, together with simple software. Simply pipette 0.5~2 μ l sample onto the pedestal, and the measurement can be completed within 5 seconds.

GEN-Nano 300

The GEN-Nano-300 is an advanced model of Micro UV VIS Spectrophotometer based on GEN-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 GEN-Nano-300 only requires 0.5-2 μ l sample to measure nucleic acids, protein as quickly like GEN-Nano-100 do. GEN-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.

GEN-Nano 400A

GEN-Nano-400A ultra-micro nucleic acid analyzer is an instrument used to detect the concentration and purity of DNA and RNA. The sample size required for each measurement is only 1.0 to 2 μ l. User can directly add the sample point to the template without coloring cup or capillary accessories.

GEN-Nano 500

The GEN-Nano-500 is an advanced model of Micro UV VIS Spectrophotometer based with full range of wavelength (200-800nm). It is with an added new function of bacterium cell concentration measurement (OD600) in a cuvette. The GEN-Nano-500 only requires 0.5-2 μ l sample to measure nucleic acids, protein dyes nanoparticles as fast as <6 s. GEN-Nano-500 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.



FEATURES: GEN-Nano-100

- ◀ Turn on and instantly measure without lamp warm up time
- ◀ Full range of wavelength (200-800nm) with scan capability from 200-800nm within 5sec.
- ◀ User-friendly software with free software updates
- ◀ Simply pipette a sample onto the pedestal, measure, wipe the pedestal
- ◀ Direct micro-volume measurement with only 0.5-2ul sample required to accurately determinate nucleic acids and protein concentrations
- ◀ Long life Xenon flash lamp, 10 flashes, up to 10 years
- ◀ No cell or cuvette and expensive consumable required
- ◀ Detects Nucleic Acids up to 4500ng/ul (dsDNA)
- ◀ 3864-Element linear silicon CCD array

FEATURES: GEN-Nano-300

- ◀ 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

FEATURES: GEN-Nano-400A

- ◀ GEN-NANO-400A is a basic micro-volume UV spectrophotometer designed (only 3 types of wavelength:260nm, 280nm and 365nm) for the measurement of nucleic acids and proteins.
- ◀ Android system operation, 7 inch touch screen no computer, APP software, simple interface, easy to use.
- ◀ To detect the concentration of bacteria and microorganism are more convenient with the OD600 function.
- ◀ Measures nucleic acid concentration at 260nm and purity using the ratio 260/280.
- ◀ Measure purified protein concentration at 280nm.
- ◀ The data can be printed with built-in printer, the data can output via SD-RAM Card and USB memory.

FEATURES: GEN-Nano-500

- ◀ 7 inch touch screen with simple interface
- ◀ Android operating system
- ◀ Ideal OD600 measurement for bacterial concentration
- ◀ Wide range of wavelength (200-800nm)
- ◀ Long life Xenon flash lamp
- ◀ Require 0.5-2ul sample to perform

Micro-Spectrophotometer GEN-Nano-100/300/400A/500				
Model	Nano-100	Nano-300	Nano-400A	Nano-500
Wavelength Range	200~800nm	200~800nm	230nm, 260nm,	200~800nm
Sample Size	0.5~2.0ul	0.5~2.0ul	0.5~2.0ul	0.5~2.0ul
Path Length				0.05mm
	0.2mm (For high concentration measurement)	0.2mm (For high concentration measurement)	0.2mm (For high concentration measurement)	0.05mm, 0.2mm (For high concentration measurement)
	1.0mm (For ordinary)	1.0mm (Ordinary concentration)	1.0mm (Ordinary concentration)	1.0mm (Ordinary concentration)
Light Source	Xenon flash lamp	Xenon flash lamp	Xenon flash lamp	Xenon flash lamp
Detector Type	3864-element linear silicon CCD array	2048-element linear silicon CCD array	Photodiode	2048-element linear silicon CCD array
Wavelength Accuracy	1nm	1nm	-----	1nm
Spectral Resolution	≤3nm (FWHM at Hg 546nm)	≤3nm (FWHM at Hg 546nm)	-----	≤3nm (FWHM at Hg 546nm)
Absorbance Precision	0.003Abs	0.003Abs	0.003Abs	0.003Abs
Absorbance Accuracy	1% (7.332Abs at 260nm)	1% (7.332Abs at 260nm)	1% (7.332Abs at 260nm)	1% (7.332Abs at 260nm)
Absorbance Range	0.04 - 90A	0.04 - 100A	0.02 - 80A	0.02 - 100A
Detection Range	2~4500ng/ul (dsDNA)	10~5000ng/ul (dsDNA)	10~4000ng/ul (dsDNA)	10~15000ng/ul (dsDNA)
Measurement Time	<8s	<5s	<8s	<6s
Dimensions (W x D x H)mm	200 x 250 x 166	210 x 268 x 181	210 x 268 x 181	210 x 310 x 181
Data Output	Connect PC	USB, SD-RAM Card	USB, SD-RAM Card	USB
Weight	2.6kg	2.8kg	2.8kg	2.8kg
Sample Pedestal Material	Aluminum alloy and Quartz fiber	Aluminum alloy and Quartz fiber	Aluminum alloy and Quartz fiber	Aluminum alloy and Quartz fiber
Operating Voltage	240V	240V	240V	240V
Operating Power Consumption	20W	40W	40W	40W
Standby Power Consumption	5W	5W	5W	5W
Software Compatibility	Win XP, Windows 7, Windows 8	Android System	Win CE	Android System
OD600nm Measurement:				
Light Source		LED	LED	LED
Wavelength Range		600±8nm	600±8nm	600±8nm
Abosorbance Range		0~4A	0~4A	0~4A
Samples detection capabilities	"DNA and RNA (260 nm) Purified Protein (280 nm) "	"DNA and RNA (260 nm) Purified Protein (280 nm) Industrial dyes (490nm) Gold nanoparticles (520 nm) Colorimetric proteina assay"	"DNA and RNA (260 nm) Purified Protein (280 nm) "	"DNA and RNA (260 nm) Purified Protein (280 nm) Industrial dyes (490nm) Gold nanoparticles (520 nm) Colorimetric proteina assay"

Catalog No.	Description	Qty.	Price (Rs.)
GEN-Nano-100	Nano-100 Micro-Spectrophotometer, DC24V 5W	each	P.O.R.
GEN-Nano-400A	Nano-200A Micro-Spectrophotometer, DC24V 5W	each	P.O.R.
GEN-Nano-300	Nano-300 Micro-Spectrophotometer DC24V 5W	each	P.O.R.
GEN-Nano-500	Nano-500 Micro-Spectrophotometer DC24V 5W	each	P.O.R.
Accessories			
AS-11021-01	Cuvette for Nano-300, nano400 and Nano 500	each	2,270.00