

Micro-volume Nucleic Acid Spectrophotometer

NuDrop

NAS-99 is a sophisticated spectrophotometer designed for nucleic acid measurements. The lamp source is UV-LED. It can accurately measure nucleic acid samples, and is no need to dilute high-concentration samples. Simply pipette 1.5~ 2.5ul sample onto the pedestal, laying down the sampling arm, NAS-99 can automatically complete the measurement within 3 seconds.

Features

1. No need to dilute high-concentration samples.
2. No cuvettes or capillaries or other positioning instruments required.
3. Measurement only needs 2~3 seconds.
4. Controlled by the computer software with data storage function and power supplied by USB with low voltage.
5. Buttons of "Blank" & "Measurement" on the shell, no need to use mouse.
6. "Standard Curve" function in the software increases the accuracy of the measured values.
7. "Remote Maintenance" function in the software allows faster and more effective trouble shooting and solution.

Specification

Long path length :	1mm
Short path length :	0.2mm (for high concentration measurement)
Sample size requirement :	1.5-2.5ul
Light source :	UV-LED
Detector : photodiode	
Wavelength range :	260nm, 280nm, 380nm
Wavelength accuracy :	2nm
Absorbance precision :	0.001 Abs
Absorbance accuracy :	0.02-0.2 Abs \pm 0.002 0.2-1.2Abs \pm 0.02(1mm/0.2mm) 0.02-60Abs(10mm equivalent Abs)
Absorbance range :	0.02-1.2Abs 0.02-6Abs(1mm/0.2mm) 0.02-60Abs(10mm equivalent Abs)
Measurement cycle time :	about 2 seconds
Dimension :	214 X 147 x 95 mm
Sample pedestal material of construction :	303 stainless steel
Optical fiber cable material of construction :	quartz
Power supplied by USB :	5VDC
Operation power consumption :	0.5W
Detection Limit :	5ng/ul~3000ng/ul(dsDNA)
Weight	2 kg



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