

NanoReady Touch

Micro volume spectrophotometer

Parameter

Model	FC-3100	F-3100	FC-2100	F-2100
Detector	2048-element CCD linear image sensor			
Light Source	Xenon flash lamp			
Minimum Sample Volume(μ L)	0.5			
Pathlength(mm)	0.03, 0.05, 0.1, 0.2, 1.0 auto-ranging			
Wavelength Upgrade	NA		Available	
Wavelength Range(nm)	185-910		Default 230,260,280,350,600, optional 185-910 for customized	
Wavelength Accuracy(nm)	± 1			
Spectral Bandwidth	≤ 1.8 (FWHM at Hg 253.7nm)			
Photometric(Abs)	0-550 (10mm equivalent)			
Measurement Repeatability	0.002(1mm path),or 1%CV,whichever is greater			
Photometric Accuracy	$\pm 2\%$ (at 0.86A at 257 nm)		3%(at 0.64A at 350 nm)	
Limit of Detection	Pedestal:2ng/ μ L dsDNA,0.06mg/mL BSA,0.03mg/mL IgG			
Maximun Concentration	Pedestal:27,500ng/ μ L dsDNA,820mg/mL BSA,400mg/mL IgG			
Measurement Time(S)	≤ 5			
Cuvette Temperature($^{\circ}$ C)	37 \pm 0.5	NA	37 \pm 0.5	NA
Cuvette Stirring	10-900RPM 10 Speeds	NA	10-900RPM 10 Speeds	NA
Cuvette Photometric	0-1.5A (10mm)	NA	0-1.5A (10mm)	NA
Cuvette Limit of Detection	0.2ng/ μ L dsDNA 0.006mg/mL BSA 0.003mg/mL IgG	NA	0.2ng/ μ L dsDNA 0.006mg/mL BSA 0.003mg/mL IgG	NA
Display	7 inch,1280 \times 800high-definition LCD,Multipoint capacitive touch,Gesture recognition			
Operating System	Android			
Internal Storage	32GB flash memory			
P C Software Requirements	Windows 7:32/64 bit,Windows8/10:64 bit			
Data transfer & PC connecting	USB,Wifi			
Supply	AC110V-220V, 50Hz/60Hz(power adapter)			
Net Weight	2.3KG	2.2KG	2.3KG	2.2KG