Parameter

Model	FC-3100	F-3100	FC-2100	F-2100
Detector	2048-element CCD linear image sensor		3648-element CCD linear image sensor	
Light Source	Xenon flash lamp			
Minimum Sample Volume(μL)	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 Repeatablity	0.002(1mm path),or 1%CV,whichever is greater			
Photometric Accuracy	±2%(at 0.86A at 257 nm)		3%(at 0.64A at 350 nm)	
Limit of Detection	Pedestal:2ng/μL dsDNA,0.06mg/mL BSA,0.03mg/mL IgG			
Maximun Concentration	Pedestal:27,500ng/μL dsDNA,820mg/mL BSA,400mg/mL IgG			
Measurement Time(S)	≤5			
Cuvette Temperature(℃)	37±0.5	NA	37±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/μL dsDNA 0.006mg/mL BSA 0.003mg/mL IgG	NA	0.2ng/μL dsDNA 0.006mg/mL BSA 0.003mg/mL IgG	NA
Display	7 inch,1280×800high-definition LCD,Multipoint capactive touch,Gesture recognition			
Operating System	Android			
Data transfer & PC connecting	USB,Wifi			
Supply	AC110V-220V, 50Hz/60Hz(power adapter)			
Net Weight	2.3KG	2.2KG	2.3KG	2.3KG

Purpose: For Research Use Only

*Other:FC-1100/F-1100

WEBSITE

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Life Real

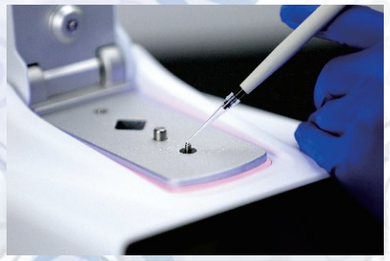
NanoReady Touch

For Research Use Only

NanoReady Touch

Micro volume spectrophotometer

NanoReady Touch series Micro volume (UV-Vis) spectrophotometer with built-in 7-inch color touch screen, can complete all detection functions without connecting a computer, display test results in real time, store historical data, and export to a computer. The Android operating system, optimized for the touch operation habits, improves the operating feelings. The integrated design and compact size are ideal to save the space in the crowded laboratories, or as the in-vehicle mobile inspection device. It can be applied to the concentration detection of nucleic acids, proteins, bacterial cell cultures, etc., as well as the absorbance measurement of unknown samples.



Micro volume samples low to 0.5μL

Fastest detection time: 5 seconds

Wider detection concentration range: 0.2-27500 ng/μL

Bigger detection range covering UV visible: 185-910 nm

NanoReady Touch

Micro volume spectrophotometer

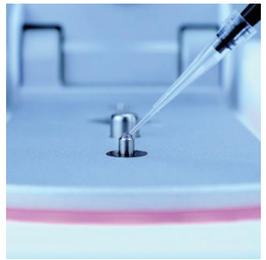
Features

Large size color touch screen:

Built-in 7-inch high-resolution color touch screen for more detection information, all operations can be done on the screen.

Wider detection range:

The 0.03 mm minimum detection path length, combined with a new generation of spectrometers, increases the maximum detection concentration to 27,500 ng/μL and the lowest detection concentration as low as 0.2 ng/μL dsDNA.

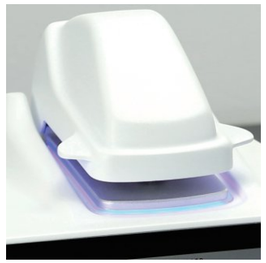


Vary models for your choice:

According to different demands, you can choose different models of products, the full wavelength or the fixed wavelength, micro volume or cuvette, to meet the flexible detection needs. The cuvette module has a heating stirrer function.

Customizable wavelength:

Built-in spectrometer, fixed wavelength model, can be upgraded to any wavelength configuration in the wavelength range according to your needs.

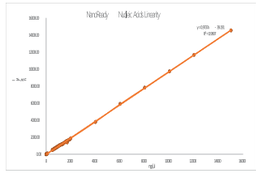


Light status prompt:

The lighting strip around the test stand flashes with different states to show the detection process straightforwardly.

Android operating system:

The machine has built-in operating system and detection software, without need a computer. Graphical touch operation is more in line with user friendly design and improves work efficiency.



Stable and reliable detection value:

Both low concentration and ultra-high concentration of nucleic acid can be stably and accurately detected.