

## MICROVOLUME SPECTROPHOTOMETERS NANOREADY TOUCH

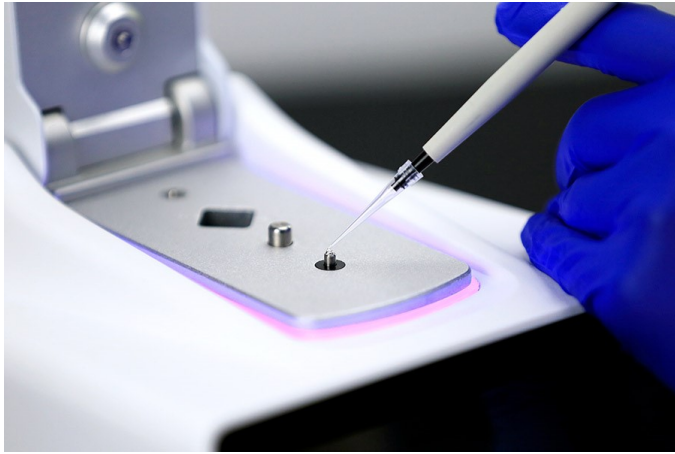


A complete family of microvolume spectrophotometers, for all your needs in biological research.

- Micro volume samples low to 5 $\mu$ l
- Fastest detection time: 5 seconds
- Wider detection concentration range: 0.2-27500 ng/ $\mu$ l
- Bigger detection range covering UV visible: 185-910 nm

### **HIGHLIGHTS FOR ALL THE INSTRUMENTS :**

- **Large touch screen operated devices**  
Built-in 7-inch high-resolution color touch screen for more detection information, all operations can be done on the screen. No external computer needed
- **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/ $\mu$ L and the lowest detection concentration as low as 0.2 ng/ $\mu$ L dsDNA.
- **Stable and reliable detection value**  
Both low concentration and ultra-high concentration of nucleic acid can be stably and accurately detected.



MODEL	FC3100	F3100	FC2100	F2100
Detector	2048-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	/		Default 23-260-280-350-600, optional 185-910 for customized	
Wavelength accuracy (nm)	±1			
Spectral bandwidth	≤ 1.8 (FWHM at Hg 253.7 nm)			
Photometric (Abs)	0-550 (10 mm equivalent)			
Measurement repeatability	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			
Measurement time (s)	≤5			
Cuvette temperature (°C)	37±0.5	/	37±0.5	/
Cuvette stirring	10-900 RPM 10 speeds	/	10-900 RPM 10 speeds	/
Cuvette photometric	0-1.5 A (10mm)	/	0-1.5 A (10mm)	/
Cuvette limit of detection	0.2ng/μl dsDNA 0.006 mg/ml BSA 0.003 mg/ml IgG	/	0.2ng/μl dsDNA 0.006 mg/ml BSA 0.003 mg/ml IgG	/
Display	7 inch high definition LCD, multipoint capacitive touch, gesture recognition			
Internal storage	32GB flash memory			
Data transfer & PC connection	USB - Wifi			

**PER OFFERTE E INFORMAZIONI:**

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