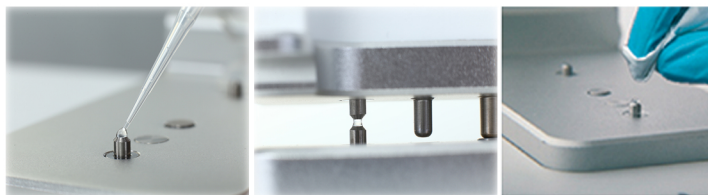


MSPTouch Series Touch Panel Micro Drop Spectrophotometer

The MSPTouch Series Drop Spectrophotometers are a basic full-spectrum micro-UV spectrophotometer with wavelength ranges necessary for the measurement of nucleic acids and proteins.

It is a system that will provide more effective results for a biology laboratory conducting research in life sciences.



Adding Sample

Measuring Sample

Quick and Easy Cleaning



Features;

1. Computer-free 7 inch touch screen with simple interface.
2. Android operating system with free software update.
3. Xenon flash lamp with durability up to 10 years.
4. Flexible data output. It is capable of printing data with the internal printer or sharing with an external USB memory.
5. Provides low cost operation without the need for expensive accessories and consumables and also allows direct micro-volume measurement with 0.5 - 2ul sample.
6. OD600 measurement function, ideal for measuring bacteria concentration.
7. The amount and purity of nucleic acids, proteins, etc. requires only 0.5 - 2ul of samples to accurately determine measurements.
8. Full scan in 6s without lamp warm-up time.
9. The device switches off automatically when it is idle for more than 5 minutes. It is enough to touch the screen to switch back on again.

Technical Specifications;

Model	MSPTouch-50	MSPTouch-200
Wavelength Range	230nm, 260nm, 280nm	200 - 800nm
Sample Size	0.5 - 2.0ul	
Path Length	0.2mm (For high concentration measurement) 1.0mm (Ordinary concentration)	
Light Source	Xenon Flash Lamp	
Detector Type	Photodiode	3864 - Element Linear Silicon CCD Array
Wavelength Accuracy	N/A	1nm
Spectral Resolution	N/A	≤3nm (FWHM at Hg 546nm)
Absorbance Precision	0.003Abs	
Absorbance Accuracy	1% (7.332Abs at 260nm)	
Absorbance Range	0.02 - 80A	0.02 - 100A
Detection Range	10 - 4000ng/ul (dsDNA)	10 - 5000ng/ul (dsDNA)
Measurement Time	<15sec.	<6sec.
Data Output	USB	USB, SD-RAM Card
Sample Pedestal Material	Aluminum alloy and Quartz fiber	
Operating Voltage	24VDC	
Operating Power Consumption	40W	
Standby Power Consumption	5W	
Dimension (WxDxH)(mm)	210x268x181	
Weight	2.8 kg	
Software Compatibility	Android System	

