MI-SP Series Touch Screen Single Beam Spectrophotometer

Features

1. 7-inch color touch screen and windows graphic interface.
2. The instrument has basic functions of photometric analysis and quantitative analysis. With optional PC software, it expands the applications, such as spectral scanning, kinetics, DNA/protein analysis, multi-wavelength test, etc.
3. Support fast scanning, automatic wavelength setting, and automatic lamp switching.
4. In-house powerful storage capacity, which can store 2000 data and 97 working curves.
5. Optional accessories: auto 8-cell holder, film holder, tube rack, Bluetooth printer, built-in printer, PC software etc.

Specifications

Model	MI-SP-VIS	MI-SP-UV
Optical System	Single Beam	
Monochromator	C-T monochromator, Blazed Holographic Grating 1200lines/nm	
Wavelength Range	320-1100 nm	190-1100 nm
Spectral Bandwidth	2nm	
Wavelength Setting	Auto	
Wavelength Accuracy	±0.3nm	
Wavelength Repeatability	±0.1nm	
Photometric Accuracy	±0.5%T, ±0.004A(0-0.5A), ±0.008A(0.5-1A)	
Photometric Repeatability	±0.5%T, ±0.004A(0-0.5A), ±0.008A(0.5-1A)	
Photometric Stability	±0.15%T, ±0.002A(0-0.5A), ±0.004A(0.5-1A)	
Photometric Range	0-200%T, -0.3~3A	
Stray Light	0.05%T	
Stability	0.001A (500nm, 3min)	
Noise	0.15%T	
Work Mode	T, A, C, E	
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)	
Display	7-inch Color Touch Screen	
Light Source	Tungsten Lamp	Deuterium & Tungsten Lamp
Detector	Silicon Photodiode	
Cuvette Holder	10mm manual 4-cell holder	
Output	USB(A) for data transfer, USB(B) for PC software	
Power	AC 110-220V 50-60Hz	
Gross Weight	20kg	
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2 (UV), Power cord, Manual	

MESH INDIA ANALYTICS PRIVATE LIMITED

Contact : 8149338050, 7219080093, 9503578252, 9552998252 **Email :** support@meshindia.co.in

MI-SP Series Touch Screen Double Beam Spectrophotometer

Features

1. 10.1 inches color touch screen and windows graphic interface.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
3. In-house massive memory is capable of saving up to 1024M for test data & working curves.
4. Supports USB storage. The USB port can be used for data transfer, which is easily exported to Excel for further processing, analysis and storage.
5. Socket type deuterium and tungsten lamp can make lamps switching without optics debugging and easy to be replaced.
6. Large sample chamber can accommodate 5-100mm cuvettes of all kinds.
7. Extensive accessories are optional, such as auto 8-cell holder, film holder, tube rack, peltier/sipper system, integrating sphere, reflection accessory, built-in printer, 21 CFR compliant software, etc.

Specifications

Model	SP-D2N	SP-D1N	SP-DVB
Optical System	Double Beam, Grating 1200 lines/mm		
Wavelength Range	190-1100 nm		
Spectral Bandwidth	2nm	1nm	0.5/1/2/4/5nm
Wavelength Accuracy	±0.1nm@656.1nm, ±0.3nm@all		
Wavelength Repeatability	<=0.1nm		
Photometric Accuracy	0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)		
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)		
Photometric Range	0-200%T, -0.3~3A, 0-9999C		
Stray Light	<=0.03%T@220nm, 360nm		
Stability	±0.0003A/h @500 nm		
Baseline Flatness	±0.002A	±0.001A	
Noise	0.0005A@500nm		
Work Mode	T, A, C, E		
Scanning Speed	Hi, Med, Low (Max. 3000nm/min)		
Wavelength Setting	Auto		
Display	10.1 inches Color Touch Screen		
Light Source	Deuterium & Tungsten lamp		
Detector	Imported Silicon Photodiode		
Cuvette Holder	10mm single hole cell holder		
Output	USB drive, USB host, RS232		
Power	AC 110-220V 50-60Hz		
Gross Weight	27kg		45kg
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2, Power cord, User's Manual , PC software		
Standard Accessaries	10mm glass cuvette x 4, 10mm quartz cuvette x 2(UV), Power cord, Manual		

Meshindia Analytics Private Limited

MESH-INDIA ANALYTICS PVT. LTD.

Head Office : OFFICE NO.4, SR.NO. 7/17/1, RADHA PARK, NARHE, PUNE -411041

CIN : U26516PN2024PTC233261 **GSTIN :** 27AASCM3860B1ZC

Contact : 8149338050, 7219080093 9503578252, 9552998252 **Email :** support@meshindia.co.in