LABSTAC

DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER

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DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER

Double beam specs measures the ratio of light intensities on two separate light paths - the reference standard and the sample. It can perform photometric measurement, quantitative measurement, spectrum scanning, DNA/Protein analysis.

Used in Most suitable for quantitative determination assays and toxicological assays in environmental, industrial, pharmaceutical fields..

Also known as Vis Spectrometer, UV-Vis Spectrometer, Spectrometers, visible spectrophotometer.

SPE22 DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER

Wavelength range: 190-1100nm

Spectral Bandwidth: 1.8nm and 2nm

Detector: Silicon Photodiode

Stray Light: Stray light is achieved at ≤0.03%T

Light source: Deuterium and tungsten halogen lamp

LCD display

Automatic wavelength setting

Double beam optical system having suspended posture

Sample size: A wide range of standard cuvettes to be use based on the sensitivity or sample volume requirements.

Equipped with scanning software

High, medium and low scanning speed

Sophisticated and simplified sample analysis software: The sample analysis software provides the scanning, fixed wavelength analysis, quantitative analysis, data collection, storage, export, and reporting. With additional feature of an easy access USB port available in the unit that enables results to be stored directly to a USB memory stick for easy transfer of data.

Strengthening and thickening of bottom plate ensures elimination of vibrational or transformational impact on the optical system

Optical system having high quality structural design with technological requirements and raw materials

24-bit high speed and high precision A/D conversion technique improves sensitivity

Provides Photometric, Quantitative, Kinetics, Wavelength scan, Multi-wavelength and DNA/Protein Test functions

SPECIFICATIONS

Model	SPE21-1100	SPE22-1100
Wavelength Range	190-1100 nm	
Wavelength Accuracy	±0.1 nm(D2 656.1NM),±0.3 nm	
Wavelength Reproducibility	≤0.1%T	
Wavelength Repeatability	≤0.1 nm	
Spectral Bandwidth	1.8 nm	2 nm
Photometric Range	0-200%T, -0.3--3A, 0-9999C	
Photometric Accuracy	±0.2%T	

Photometric Repeatability	≤0.15%T
Stability	±0.0004 A/h(500nm)
Baseline Flatness	±0.001A
Stray Light	≤0.03%T
Light Source	Deuterium&Tungsten Halogen Lamp
Detector	Silicon Photodiode
Software	PC Software
Gross Dimension (W/D/H)	625x430x210 mm
Display	LCD
Noise	±0.0005A
Weight (Net/Gross)	28 kg
Power	300 W
Power Supply	220V 50Hz/110V60Hz

ACCESSORIES

Accessory Code	Name	Unit
2900505018	Glass cuvette (10 mm)	4 pcs
2900505020	Quartz cuvette (10 mm)	2 pcs
2900505022	Dustproof cover	1 pc
2900505025	Software CD	1 pc

Accessory Code	Name	Unit
2900505027	USB Cable	1 pc
2900505029	Power cord	1 pc
2900505031	Softdog	1 pc

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Light Path LxWxH (mm)	Volume	Unit	Light Path LxWxH (mm)
2900505005	Single Position Cell Holder	10 mm				
2900505006	Single Position Water Jacketed Ambient Cell Holder	10 mm				
2900505007	4-Position Cell Holder	10 mm				
2900505008	4-Position Cell Holder	50 mm				
2900505009	4-Position Cell Holder	100 mm				
2900505010	8-Position Cell Holder	10 mm				
2802305005	Adjustable Cell Holder for Micro Cuvettes					
2802305006	Transparent Film Holder					
2900505011	Tube Holder					
2900505012	Thermostatic Controller					
2900505013	Auto Sampler					
2900505014	Auto Thermostatic Sampler					
2900505015	Micro Printer					
2900505016	Tungsten Lamp 6V; 10W (PH)					
2900505017	Tungsten Lamp 12V; 20W (PH)					
2900505019	Tungsten Lamp 12V; 20W (OSRAM)					
2900505021	D2 Lamp A510YXU Milasi					
2900505023	Glass Cuvette		5x10x45	1.7 ml	Set (4 pcs)	
2900505024	Glass Cuvette		10x10x45	3.5 ml	Set (4 pcs)	
2900505026	Glass Cuvette		20x10x45	7 ml	Set (4 pcs)	

2900505028	Glass Cuvette		30x10x45	10.5 ml	Set (4 pcs)	
2900505030	Glass Cuvette		40x10x45	14 ml	Set (4 pcs)	
2900505032	Glass Cuvette		50x10x45	17.5 ml	Set (4 pcs)	
2900505033	Glass Cuvette		100x10x45	35 ml	Set (4 pcs)	
2900505034	Quartz Cuvette		5x10x45	1.7 ml	Set (2 pcs)	
2900505035	Quartz Cuvette		10x10x45	3.5 ml	Set (2 pcs)	
2900505036	Quartz Cuvette		20x10x45	7 ml	Set (2 pcs)	
2900505037	Quartz Cuvette		30x10x45	10.5 ml	Set (2 pcs)	
2900505038	Quartz Cuvette		40x10x45	14 ml	Set (2 pcs)	
2900505039	Quartz Cuvette		50x10x45	17.5 ml	Set (2 pcs)	
2900505040	Quartz Cuvette		100x10x45	35 ml	Set (2 pcs)	
2900505041	Micro Quartz Cuvette		10x2x2.5	50 ml	Set (2 pcs)	
2900505042	Micro Quartz Cuvette		10x2x5	100 µl	Set (2 pcs)	
2900505043	Micro Quartz Cuvette		10x2x10	200 µl	Set (2 pcs)	
2900505044	Micro Quartz Cuvette		10x2x25	500 µl	Set (2 pcs)	
2900505045	Micro Quartz Cuvette		10x2x45	700 µl	Set (2 pcs)	
2900505046	Micro Quartz Cuvette				Set (2 pcs)	10x2x45

SPE21-1100

SPE22-1100

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