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# U.V. Visible Double Beam Spectrophotometer

## Product Image

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# Description

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## Salient Features

- ✦ The two detectors are used to measure sample and reference respectively and simultaneously for optimizing measurement accuracy.
- ✦ Lamp Selection enables conserving the life of D2 & Tungsten lamps. Real time clock for date & time stamping of results.
- ✦ **LIGHT PATH DESIGN: DOUBLE BEAM**  
LMSPUV1900 double light design can prevent circuit fluctuation and stray light to ensure stability of the instrument.
- ✦ **LONG PATH LIGHT DESIGN**  
LMSPUV1900 unique 520mm long light path design greatly improved resolution and the bandwidth can reach 0.5nm.
- ✦ **16MM OPTICAL BASE**  
LMSPUV1900 series use a rigid 16mm diecast aluminum base as their optical mount to ensure the stability and reliability.
- ✦ **6 INCHES LCD DISPLAY**  
LMSPUV1900 series have a 6 inches LCD display to show results and curves directly on the screen.
- ✦ **SOFTWARE FUNCTIONS ( Optional )**  
Multi functions operated directly on the spectrophotometer and display the test results' curve and data: wavelength scanning, standard curve, kinetics, multi wavelength scanning, DNA/protein test.
- ✦ **PERFECT CALIBRATION SYSTEM**  
All baseline, wavelength, dark current can be calibrated automatically to keep good running conditions.
- ✦ **DATA OUTPUT**  
LMSPUV1900 series are equipped with USB port to connect with a PC

SPECIFICATIONS	Model	LMSPUV1900	LMSPUV1900S
	Cell Holder	Sample & Reference Cuvette Holder (10mm each)	
	Bandwidth	1nm	0.5, 1.0, 2.0, 4.0 nm (variable)
	Optical System	Double Beam(1200 Lines/mm Grating)	
	Wavelength Range	190-1100nm	
	Bandwidth	1nm	
	Wavelength Accuracy	±0.3nm	
	Wavelength Repeatability	±0.2nm	
	Scanning Speed	Fast, Medium & Low	
	Photometric Accuracy	±0.3%T	
	Photometric Repeatability	0.2%T	
	Photometric Range	-0.3-3A,0-200%T,0-9999C	
	Stability	± 0.001A/h @ 500nm	
	Baseline Flatness	± 0.001A/h	
	Noise	± 0.001A/h	
	Stray Light	≤0.05%T @ 220nm,360nm	
	Data Output Port	USB	
	Printer Port	Parallel Port	
	Display	LCD	
	Lamps	D2 Lamp & Tungsten Halogen Lamp (W Lamp)	
	Detector	Silicon Photodiode	
	Power Supply	AC 220V / 50Hz	
	Dimension (LxWxH) mm	625x430x206	
	Weight	30kg	

STANDARD ACCESSORIES	UV Analyst Software	1 pc
	10mm Glass Cuvette	4 pcs.
	Power Cord	1 pc
	Instruction Manual	1 pc.
	10mm quartz cuvette	2 pcs.
	Dust Cover	1 pc.

### Optional Accessories

- ✦ 8 cell programmable Holder

## Disclaimer

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The Products details given on this page are indicative in nature and JAPSON reserves the right to change them without prior notice. Buyer is also requested to re-check the specifications and other features of product at the time of order as product development is a continuous process and minor modifications may be made to design based on latest availability, process and design.