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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

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	

### SPECIFICATIONS

### 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.