



SARASWATI SCIENTIFIC SURGICALS
Advanced Single Beam Microprocessor
UV-VIS Spectrophotometer With Scanning Software
(Original/Premium with Japanese Technology)



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Application

- * Medicine/Pharmaceutical Industry
- * Environmental Monitoring
- * Commodity Inspection
- * Food Inspection
- * Agricultural Chemistry
- * Teaching in Colleges & Universities
- * Metallurgy
- * Geology
- * Machine Manufacturing
- * Petrochemical Industries
- * Water and Waste Water Labs
- * Food and Beverage Labs





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Features

- * Large LCD screen (128*64) Dots.
- * Can display and save 50 groups of data, 5 groups per screen.
- * Data can be restored after a sudden power cut.
- * Auto setting Wavelength
- * Tungsten lamp & deuterium lamp can be turned on/off individually to extend lifetime.
- * Automatic WL. Calibration and dark current getting. With Scanning

Technical Specification

| | | |
|---------------------------|---|------------------------------------|
| Optional System | : | Single - Beam, Grating |
| Wavelength Range | : | 190 - 1000nm |
| Bandwidth | : | 2nm |
| Wavelength Accuracy | : | ±1nm |
| Wavelength Repeatability | : | 0.5nm |
| Wavelength Setting | : | Auto |
| Photometric Accuracy | : | ±0.5%T |
| Photometric Repeatability | : | 0.3%T |
| Photometric Range | : | -0.3-3A,0-200%T |
| Stray Light | : | <0.3%T |
| Stability | : | ±0.002A/h @500nm |
| Display | : | 128 * 64 Dots LCD |
| Detector | : | Silicon Photodiode |
| Standard Cell Holder | : | 4-position 10mm cell changer |
| Light Source | : | Tungsten & Deuterium lamp |
| Output | : | USB port & Parallel port (printer) |
| Power Requirements | : | AC 85 ~ 250V |
| Dimension | : | 420x280x180mm |
| Weight | : | 20Kg |

*Design & Specification are subject to change without any prior notice.
 *OEM option available.



UV-VIS Spectrophotometer Single Beam Models are designed for reliable continuous operation. It is easy to use, throughly reliable and above all low cost.



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The UV VIS Series provide excellent application functions without sacrificing accuracy and precision. It is an ideal instrument for various application

FIRMWARE FUNCTIONS

T Mode: Continuously measure the Transmittance of Sample



A Mode: Continuously measure the Absorbance of Sample



C Mode: Standard Curve method, can use at most 9 standard samples to create a new standard curve, and to measure the unknown samples by the new one



F Mode: Coefficient Method, Input the known K and C to measure the unknown concentration samples.



Standard Configuration

- * Main Set : 1 No.
- * USB Cable : 1 No.
- * Accessory kit. including a 4 glass cell (1 cm) : 1 No.
- * 2 Quartz Cell (1 cm) : 1 No.
- * Operating Manual Software Manual : 1 No.
- * Dust Cover : 1 No.
- * Software CD : 1 No.
- * Power Cable : 1 No.

