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# Double Beam UV-VIS Spectrophotometer

## Product Image

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## Description

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Catalog No: 100080

Double Beam Microprocessor Based Ultra Violet and Visible Range (UV-VIS) Spectrophotometer - Model 2201

## SALIENT FEATURES

- ✓ Double Beam Optics
- ✓ 320 x 240 Dots Coloured Graphical LCD
- ✓ Auto Wavelength Setting
- ✓ On-screen Standard and Kinetic Curve Display
- ✓ Tungsten/Deuterium Lamp can be turned ON/OFF Individually to Extend Lifetime
- ✓ Application Software provides complete control of the instrument from a computer through the built-in USB Port.
- ✓ Basic, WL Scan, Multi-Wavelength, Kinetic, Quantitative, DNA/Protein modes
- ✓ Pre-aligned design makes it convenient to change Lamps
- ✓ Large Sample Compartment can accommodate 5-100 mm path-length cuvettes with optional holders.

## TECHNICAL SPECIFICATIONS

|                            |   |
|----------------------------|---|
| ✓ FUNCTION                 | Basic, Wavelength Scan, Multi Wavelength, Kinetics, Quantitative, DNA/Protein |
| ✓ WAVELENGTH RANGE         | 190 - 1100 nm   |
| ✓ SPECTRAL BANDWIDTH       | 1.0 nm  |
| ✓ OPTICAL SYSTEM           | Double Beam, Grating 1200 lines/mm  |
| ✓ WAVELENGTH ACCURACY      | ± 0.3 nm  |
| ✓ WAVELENGTH REPEATABILITY | ± 0.2 nm.   |
| ✓ SCANNING SPEED           | HI, MED & LOW, MAX. 3600 nm/min   |
| ✓ PHOTOMETRIC ACCURACY     | ± 0.3 %T or<br>± 0.002 A/h @1A  |
| ✓ PHOTOMETRIC RANGE        | %T : 0 - 200%<br>Abs : -0.3 to 3A<br>Conc. : 0 - 9999 C                       |
| ✓ STRAY LIGHT              | < 0.05 %T @ 220 nm & 340 nm   |
| ✓ STABILITY                | ± 0.001 A/h @ 500 nm  |
| ✓ DISPLAY                  | 5 Inches 320 x 240 Dots Graphical LCD   |
| ✓ BASELINE FLATNESS        | ± 0.001A/h (200 - 1000 nm)  |
| ✓ SAMPLE COMPARTMENT       | 8 cell with automatic cell changer - 10 mm path-length.                       |
| ✓ LIGHT SOURCE             | Halogen & Deuterium Lamps (Pre-Aligned)                                       |
| ✓ PRINTER INTERFACE        | Parallel Port for Dot Matrix Printer  |
| ✓ PC CONNECTIVITY          | USB Port for PC connectivity  |
| ✓ POWER                    | 230 V ± 10% AC, 50 Hz   |
| ✓ DIMENSIONS (L x B x H)   | Instrument : 580 x 510 x 210 mm (Approx.)                                     |
| ✓ WEIGHT                   | Instrument : 16.0 Kg. (Approx.)   |

## ACCESSORIES

- Quartz Cuvettes - A Set of 2
- Glass Cuvettes - A Set of 4
- Instruction Manual
- Software Manual
- Software CD
- USB Data Cable for PC Connectivity
- Mains Lead
- Dust Cover

## 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.