

# SINGLE BEAM UV-VIS SPECTROPHOTOMETER

# 29



## SALIENT FEATURES

- ✓ Covers 190 to 1020 nm
- ✓ 4 Position Cuvette Holder
- ✓ LCD Data Display
- ✓ Printer Interface
- ✓ RS-232C Computer Interface
- ✓ Automatic Lamp Selection between UV & Visible Range

## ACCESSORIES

- Quartz Cuvettes - A Set of 2
- Glass Cuvettes - A Set of 4
- Instruction Manual
- Software Manual
- Software CD
- RS232 Cable for PC Connectivity
- Mains Lead
- Dust Cover



## TECHNICAL SPECIFICATIONS

|                            |   |
|----------------------------|---|
| ✓ WAVELENGTH RANGE         | 200 - 1020 nm   |
| ✓ SPECTRAL BANDWIDTH       | 4 nm  |
| ✓ OPTICAL SYSTEM           | Single Beam, grating 1200 lines/mm  |
| ✓ WAVELENGTH ACCURACY      | ± 1 nm  |
| ✓ WAVELENGTH REPEATABILITY | 2.0 nm  |
| ✓ WAVELENGTH RESOLUTION    | 2.0 nm  |
| ✓ PHOTOMETRIC ACCURACY     | ± 0.5 %T or 0.003 A@1A  |
| ✓ PHOTOMETRIC RANGE        | - 0.3 to 2A, 0 - 200 %T, 0 - 9999 Conc.   |
| ✓ STRAY LIGHT              | < 0.3 %T  |
| ✓ STABILITY                | ± 0.002 A/h @500 nm   |
| ✓ DISPLAY                  | LCD   |
| ✓ KEYBOARD                 | Soft Touch Membrane Keys  |
| ✓ PHOTOMETRIC MODE         | % Transmission, Absorbance and Concentration  |
| ✓ DETECTOR                 | Silicon Photodiode  |
| ✓ SAMPLE COMPARTMENT       | Standard 4-Position 10 mm path-length cuvette holder. (Accommodates upto 100 mm path-length cuvette with optional holder) |
| ✓ LIGHT SOURCE             | Tungsten and Deuterium Lamps  |
| ✓ OUTPUT                   | RS 232 USB for PC Connectivity and Parallel Port for Dot Matrix Printer   |
| ✓ POWER                    | 230 V±10% AC, 50 Hz   |



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