



## The M501 UV-Visible Single Beam Scanning Spectrophotometer



### OPERATING FEATURES

- Local Control Software - All methods are included
- Basic Mode - Measures Absorbance, %T and Concentration.
- Quantitative - Upto 10 standard solutions maybe used for a calibration
- Wavelength Scanning
- Kinetics - For time course scanning or reaction rates
- DNA/Protein - Concentration & DNA purity are calculated
- Multi-wavelength - up to 10 wavelengths
- Performance Validation - for the GLP compliant laboratory

### TECHNICAL SPECIFICATIONS

Display	1/4 VGA 320x240pixels backlit LCD
Light sources	Tungsten-Halogen and Deuterium
Monochromator	Littrow type with 1200 lines/mm grating
Detector	Silicon Photodiode
Wavelength Range	190 - 1100nm
Wavelength Accuracy	± 1nm
Wavelength Resolution	0.1nm
Wavelength Repeatability	± 0.05nm
Noise	< 0.001A @ 500nm 0A
Zero Drift	< 0.003A per hour after warm-up
Baseline Flatness	± 0.002A
Bandpass	4nm (2nm option)
Stray Light (A.S.T.M.)	<0.1%T @ 220nm and 340nm
Photometric Accuracy	Better than 1% @ 0.5A, 1A, 2A
Photometric Range	-0.7 to 3A, 0 to 200%T, 0 to 9999 Conc
Printer Interface	Centronic parallel for A4 inkjet printers
Computer Interface	Bi-directional RS232C for PC control
Power Requirements	110/120V, 220/230V, 50/60 Hz, 110VA
Dimensions	550 x 420 x 270 packed size 645 x 535 x 370
Weight	18kg Nett 24Kg Packed weight

Spectronic Camspec Ltd, Tudor House, Barley Hill Road, Garforth, Leeds, LS25 1DX, U.K.

Tele: +44 (0) 0113 286 4536  
Fax: +44 (0) 0113 232 0424

Email: sales@spectronic.co.uk  
Web: www.spectronic.co.uk



## User Interface

The user interface of the M501 Single Beam Spectrophotometer includes Basic Mode (Abs, %T, Conc), Quantitative (concentration calibration curves), Wavelength Scanning, Kinetics (including timedrive), DNA/Protein, Multi-wavelength and Performance Validation. In Basic Mode, the result is continuously displayed (no need to "press to read")

## PC Control

The M501 has an RS232C output for the transfer of results to a PC and for PC control of the M501. Comprehensive Camspec Application Software is available, together with small PC programs, dedicated to specialist tasks.

## A selection of the many Cell compartment Accessories available

Micro cell holder



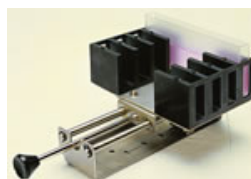
0-50 mm 4 x cell Manual changer



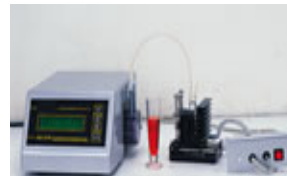
Test tube adaptor



0-100 mm 4 x cell Manual changer



Peltier / sipper system



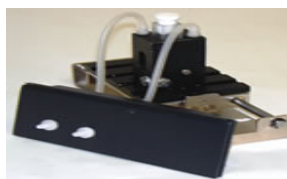
6 cell auto changer



8 cell auto changer



Thermostatted Single Cell holder



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