



## The M508 Basic Programmable UV-Vis Spectrophotometer



### MAIN FEATURES

Stepper motors for wavelength and filters

Stores up to 200 methods/results

Concentration calibration: up to 8 standards and up to 3 replicates, linear or linear through zero

RS232 serial output for printer or PC control

Data output includes method number and name, wavelength, date and time, %T, Abs, concentration,

Selectable wavelength calibration and dark current measurement

200 - 1000nm wavelength range

5nm bandwidth

Low stray light (0.1%T at 220nm and 340nm)

Large sample compartment (up to 100mm pathlength cells)

Large selection of accessories

Manual 4-cell changer with 2 x 10mm UV cells and 4 x 10mm glass cells included

PC Application Software option for concentration curves, timescan and wavelength scanning

Optional built-in thermal printer which can replace the cell/test-tube holder

### Technical Specifications

Display	4 lines x 20 character LCD LCD
Light sources	Tungsten-Halogen and Deuterium
Monochromator	1200 lines/mm grating
Detectors	Silicon Photodiode
Wavelength Range	200 - 1000nm
Wavelength Accuracy	± 2 nm
Wavelength Resolution	
Wavelength Repeatability	± 1 nm
Noise	< 0.001A @ 500nm 0A
Zero Drift	< 0.003A per hour after warm-up
Baseline Flatness	
Bandpass	5 nm
Stray Light	<0.1%T @ 220nm and 340 nm
Photometric Accuracy	+/- 1% 0-2 A
Photometric Range	-1 to 2.5A, 0-125%T and -9999C and +9999C
Printer Interface	RS 232 for printer or PC
Computer Interface	Bi-directional RS232C for PC control
Power Requirements	110/120V, 220/230V, 50/60 Hz, 135VA
Dimensions	510 x 420 x 210 packed 645 x 535 x 370
Weight	14Kg packed 17Kg

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 M508 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 M508 has an RS232C output for the transfer of results to a PC and for PC control of the M508. Comprehensive Camspec Application Software is available, together with small PC programs, dedicated to specialist tasks.

### A selection of the many Cell compartment Accessories available

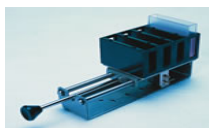


**Test-tube holder (100mm) P/N 501-101**



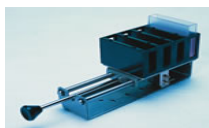
**Adjustable micro-cell holder P/N 501-102 (illustration)**

**4 x 10mm manual cell changer P/N 501-114**

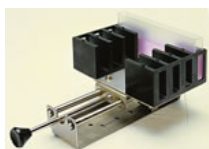


**4-cell holder for 5-50mm cells P/N 501-104 (illustration)**

**4-cell holder for 100mm cells P/N 501-103 (illustration)**

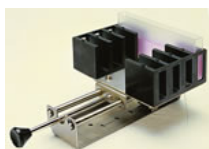


**100mm cylindrical cell holder P/N 501-106**



**Thermostatted single cell holder (requires water bath) P/N 508-105 (illustration)**

**Sipper, processor controlled P/N 508-121**



**Peltier system for 10mm cells, 15-40°C P/N 508-123**

**Peltier/Sipper system combined P/N 508-124 (illustration)**



**Calibration standards for wavelength, absorbance, stray light (traceable to NPL)**

**Optional Built-in 40 character thermal printer P/N 508-101**

**M508/M108 PC application system software (including PC cable) P/N 108-110**

**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](mailto:sales@spectronic.co.uk)**  
**Web: [www.spectronic.co.uk](http://www.spectronic.co.uk)**