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
- 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)
- 2 x 10mm UV cells and 4 x 10mm glass cells included
- Large selection of accessories
- Manual 4-cell changer
- PC Application Software option for wavelength scanning, concentration curves and timescan
- USB socket for PC Control and RS232 serial output for printer
- Data output includes method number and name, wavelength, date and time, %T, Abs, concentration
- Test Tube holder
- And many more accessories



Technical Specifications for the M508 UV/VIS Spectrophotometer

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 Repeatability	± 1 nm
Noise	< 0.001A @ 500nm 0A
Zero Drift	< 0.003A per hour after warm-up
Bandpass	4 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
Computer Interface	USB 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

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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)



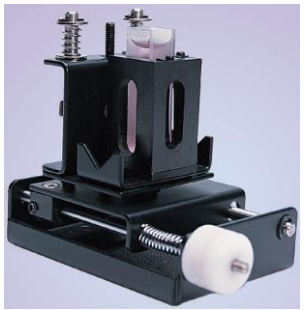
4 x 10mm manual cell changer P/N 501-114

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

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