

CamSpec M550 UV-Vis Spectrophotometer

The **CamSpec M550** is a UV-Vis double beam spectrophotometer with parallel sample and reference beams. Designed for the modern user, the exceptional sensitivity, resolution, stray light, noise and drift specifications of the M550 make it the ideal instrument for **research and routine use**.

CONFORMITY

The M550 conforms to **all current European and US Pharmacopoeia guidelines**. It passes the Potassium Chloride stray light test, the Toluene in Hexane resolution test, the Holmium Perchlorate solution wavelength test and the Potassium Dichromate absorbance test. **Calibrated in the UK** using wavelength, absorbance, resolution and stray light international standards by **qualified engineers**. References should be chosen whose calibrated values "bracket" the conditions to be used for analysis.

PC CONTROL VIA SOFTWARE

The M550 has a USB output for the transfer of results and for remote PC control. **Comprehensive CamSpec UV-Vis Analyst application software** is available, together with small PC programs, dedicated to specialist tasks.

USER INTERFACE

Operations include:

- Basic Mode (Abs, %T, Conc)
- Quantitative
- Wavelength Scanning
- Kinetics
- DNA/Protein
- Multi-wavelength
- Performance Validation

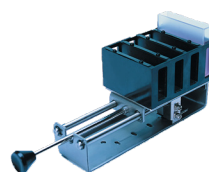


ACCESSORIES

The CamSpec M550 has a **large sample compartment** that fits a selection of available accessories for automation and specific tests.



Adjustable Micro Cell Holder
PART NO: 501-102



Manual 4-Postion Cell Changer (5-50mm)
PART NO: 501-104



Automatic 6-Postion Cell Changer (5-50mm)
PART NO: 550-118



Integrating Sphere for SPF Analysis
PART NO: 550-125

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Peltier/Sipper System
Combined
PART NO: 501-124

HEAR FROM OUR CUSTOMER

“The CamSpec M550 is an advanced yet straightforward instrument with very good reliability and consistency due to the double beam optics. The easy-to-use interface allowed us to upgrade and continue testing without having to learn a complicated software. We were impressed by the thorough instrument demonstration by Mark – he really knew his stuff and was able to guide us through the use and operation of the instrument, exactly how it all works. I would absolutely recommend Spectronic CamSpec to other companies looking for quick and easy service with a personal touch.”

Ian Thompson, Tissuemed

FREQUENTLY PURCHASED WITH

- UV-Vis Analyst Software (501-550)
- 5-50mm Single Cell Holder (501-127)
- Auto 6-Position Cell Changer (550-118)
- Adjustable Micro Cell Holder (501-105)
- 100mm Single Cell Holder (550-138)

TECHNICAL SPECIFICATIONS

Display:	Graphic LCD (320×240) dot	Zero Drift:	<0.001A per hour after warm up
Light Source:	Tungsten-Halogen and Deuterium	Bandpass:	<1.8nm
Monochromator:	Double beam, grating 1200 lines/mm	Stray Light:	<0.1% @ 220nm & 340nm
Detectors:	Silicon Photodiode	Photometric Accuracy:	±0.5%
Wavelength Range:	190-1100nm	Photometric Range:	0-200%T, -0.3-3.0A
Wavelength Accuracy:	±0.5nm	Printer Interface:	Parallel for A4 HP and Epson Printers
Wavelength Repeatability:	≤0.1nm	Computer Interface:	USB for PC control and USB for data export
Wavelength Resolution:	±0.1nm	Power Requirements:	100V-240V AC, 50Hz/60Hz
Stability:	±0.0005Abs@500nm	Instrument Dimensions (l×w×h):	405x625x280
Sample Compartment:	Various Accessories Available	Instrument Weight:	24.0kg
Standard Cell Holder:	1 Sample; 1 Reference for 10mm cells	Shipping Dimensions (l×w×h):	770x580x420mm
Software:	UV-Vis Analyst, optional	Shipping Weight:	26.7kg