

CamSpec M501 UV-Vis Spectrophotometer

The **CamSpec M501** is a UV-Vis single beam scanning spectrophotometer. Designed for the modern user, the exceptional sensitivity, resolution, stray light, noise and drift specifications of the M501 make it the ideal instrument for **research and routine use**.

CONFORMITY

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. While regulators like the Pharmacopoeias may recommend certain references, any Certified Reference Material with appropriate certified values may be used for qualification.

PC CONTROL VIA SOFTWARE

The M501 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

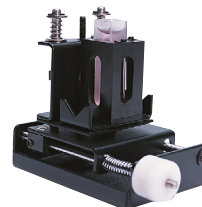
Operations include:

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

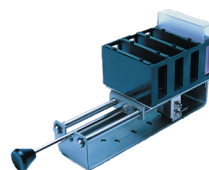


ACCESSORIES

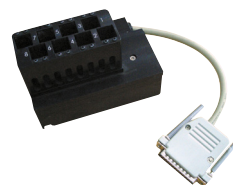
The CamSpec M501 has a **large sample compartment** that fits a selection of available accessories for automation and specific tests.



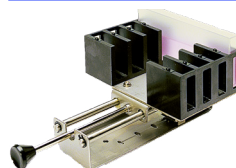
Adjustable Micro Cell Holder
PART NO: 501-102



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



Automatic 8-Position Cell Changer (5-50mm)
PART NO: 501-108



Manual 4-Position Cell Changer (5-100mm)
PART NO: 550-125

CamSpec M501 UV-Vis Spectrophotometer



Peltier/Sipper System
Combined
PART NO: 501-124

HEAR FROM OUR CUSTOMERS

"The M501 was easy to use and provided an accurate base for calibration of field instruments. It's great!"

Emma Pollock, Westminster College

"Great results, can't complete research without it. High quality and accurate spectra are obtained for every scan. We can scan the entire UV and visible region in single scan. We can analyse the spectra with software provided with the product."

Ramesh Naval, Jijamata College

FREQUENTLY PURCHASED WITH

- UV-Vis Analyst Software (501-550)
- 5-50mm x4 Cell Holder (501-104)
- Auto 8-Position Cell Changer (501-108)
- Adjustable Micro Cell Holder (501-105)
- 100mm Single Cell Holder (550-138)

TECHNICAL SPECIFICATIONS

Display:	Graphic LED Module
Light Source:	Tungsten-Halogen and Deuterium
Monochromator:	Single beam, grating 1200 lines/mm
Detectors:	Silicon Photodiode
Wavelength Range:	190-1100nm
Wavelength Accuracy:	±1.0nm
Wavelength Repeatability:	±0.2nm
Wavelength Resolution:	±0.2nm
Stability:	±0.0005Abs@500nm
Sample Compartment:	Fits 100mm path length cuvette with optional holder
Standard Cell Holder:	4 position 10mm cell changer
Software:	UV-Vis Analyst, optional

Zero Drift:	<0.003A per hour after warm up
Bandpass:	2nm or 4nm
Stray Light:	<0.1% @ 220nm&340nm
Photometric Accuracy:	±0.5%
Photometric Range:	0-200%T,-0.3-.2.8A
Printer Interface:	Bluetooth
Computer Interface:	USB for PC control and USB for data export
Power Requirements:	100V-240V AC, 50Hz/60Hz
Instrument Dimensions (lwxhx):	420x550x270
Instrument Weight:	18.0kg
Shipping Dimensions (lwxhx):	660x550x390mm
Shipping Weight:	19.3kg