SPECTRONIC CAMSPEC LTD

CamSpec M509T UV-Vis Spectrophotometer

The CamSpec M509T is a UV-Vis single beam scanning spectrophotometer. Designed for the modern user, it has a sealed, solvent-resistant colour touchscreen with accessible large icons. Includes 4-Position Cell Changer (10mm), x4 glass cells (10mm) and x2 quartz cells (10mm).

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 M509T has a USB output for the transfer of results and for remote PC control. Comprehensive CamSpec K3 Analyst application software is available, together with small PC programs, dedicated to specialist tasks.

USER INTERFACE

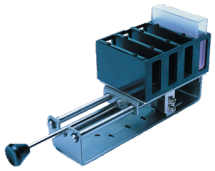
Operations include:

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

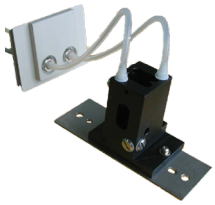
ACCESSORIES

The CamSpec M509T 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



Thermostatted Cell Holder (10mm)
PART NO: 508-105

Test Tube Holder with Base (8-25mm Diameter)
PART NO: 501-101

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Peltier/Sipper System Combined
PART NO: 501-124

FREQUENTLY PURCHASED WITH

- K3 Analyst Softare (509-209)
- 5-50mm x4 Cell Holder (501-104)
- Thermostatted 10mm Cell Holder - Requires Water Bath (501-105)
- 100mm x4 Cell Holder (501-103)
- Bluetooth Printer (330-500)

HEAR FROM OUR CUSTOMERS

"We've had great service. Mark and Paul are always easy to get hold of, and do the job excellently. They go above and beyond - in fact they've even tailored their software to a particular need we had in the past, which was extremely useful to us."

Paul Douglas, Teesside University

"We work with you because you've always gone above and beyond to give us perfect service, and we've never been disappointed. We know if we have an emergency you are only a phone call away, and always attentive and helpful."

Beverly McGrath, Liverpool John Moores University

TECHNICAL SPECIFICATIONS

Display:	7" touch screen
Light Source:	Tungeten Halogen and Deuterium Lamp
Monochromator:	Single beam, grating system 1200 lines/nm
Detectors:	Silicon Photodiode
Wavelenth Range:	190-1100nm
Wavelength Accuracy:	±0.8nm
Wavelength Repeatability:	≤0.2nm
Wavelength Display:	1nm
Stability:	±0.002A/hr@500nm
Sample Compartment:	Fits 100mm path length cuvette with optional holder
Standard Cell Holder:	4 position 10mm cell changer
Software:	K3 Analyst, optional

Zero Drift:	<0.003A per hour after warm up
Bandpass:	2nm
Stray Light:	<0.2%T@220nm and 360nm
Photometric Accuracy:	±0.5%T
Photometric Range:	0-125%T, -0.097-1.999A, 0-1999C (0-1999F)
Printer Interface:	Bluetooth
Computer Interface:	USB for PC control and USB for data export
Power Requirements:	90V-250V AC, 50Hz/60Hz
Instrument Dimensions (lxwxh):	510x420x210
Instrument Weight:	12.3kg
Shipping Dimensions (lxwxh):	650x540x370mm
Shipping Weight:	16.0kg