SPECTRONIC CAMSPEC LTD

CamSpec M550V UV-Vis Spectrophotometer

The CamSpec M550V is a UV-Vis double beam spectrophotometer with parallel sample and reference beams and a variable bandpass. Designed for the modern user, the exceptional sensitivity, resolution, stray light, noise and drift specifications of the M550V make it the ideal instrument for research and routine use.

CONFORMITY

The M550V 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.

PC CONTROL VIA SOFTWARE

The M550V 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

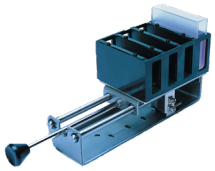
Operations include:

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

ACCESSORIES

The CamSpec M550V 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

FREQUENTLY PURCHASED WITH

- UV-Vis Analyst Softare (501-550)
- 5-50mm Single Cell Holder (501-127)
- Auto 6-Postion Cell Changer (550-118)
- Adjustablle Micro Cell Holder (501-105)
- 100mm Single Cell Holder (550-138)

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:	Graphic LCD (320×240)dot
Light Source:	Tungsten-Halogen and Deuterium
Monochromator:	Double beam, grating 1200 lines/mm
Detectors:	Silicon Photodiode
Wavelenth Range:	190-1100nm
Wavelength Accuracy:	±0.3nm
Wavelength Repeatability:	≤0.1nm
Wavelength Resolution:	±0.1nm
Stability:	±0.0005Abs@500nm
Sample Compartment:	Various Accessories Available
Standard Cell Holder:	1 Sample; 1 Reference for 10mm cells
Software:	UV-Vis Analyst, optional

Zero Drift:	<0.001A per hour after warm up
Bandpass:	0.5, 1, 2 and 4
Stray Light:	<0.1%@220nm&340nm
Photometric Accuracy:	±0.5%
Photometric Range:	0-200%T, -0.3-3.0A
Printer Interface:	Parallel for A4 HP and Epson Printers
Computer Interface:	USB for PC control and USB for data export
Power Requirements:	100V-240V AC, 50Hz/60Hz
Instrument Dimensions (lxwxh):	405x625x280
Instrument Weight:	24.0kg
Shipping Dimensions (lxwxh):	770x580x420mm
Shipping Weight:	26.7kg