

Model 6315 UV/Visible Spectrophotometer

- Scanning UV/Visible spectrophotometer
- Scans in the range 198 – 1000nm
- Uses pulsed xenon lamp



- 200 method memory
- Quantitation using up to 6 standards
- Supplied with free PC Software

The new Jenway Model 6315 UV/visible scanning spectrophotometer completes the Jenway 63 series. Built on the platform of the highly successful 6310, the Model 6315 uses a pulsed xenon lamp to extend the wavelength range to encompass both the UV and visible regions.

The Model 6315 is an advanced measuring system with modes for Photometrics, Spectrum Scanning, Kinetics, Concentration and Quantitation. The 6315 will therefore meet the demands of a wide range of applications especially those in clinical, veterinary, environmental, general QC and performance testing areas.

With a memory capacity of 50 methods for each mode and a host of security features the Model 6315 can be fully customised to meet the operators' choice of chemistries and aid the development of standard operating procedures.

The 6315 has an analogue output that can be used to drive chart recorders and other analogue or conversion devices as well as a bi-directional RS232 serial port allowing connection to serial printers and PCs using the free 6315 PC software.

The 6315 comes supplied with a 10x10mm cuvette holder fitted as standard. This can be removed easily by releasing a single thumbscrew, allowing it to be replaced with a wide variety of other sampling accessories.

Technical Specifications

Wavelength Range	198 to 1000nm
Resolution (Accuracy)	1nm (± 2 nm)
Spectral Bandwidth	8nm
Absorbance	-0.300 to 1.999A
Transmittance	0 to 199.9%T
Spectrum	198 to 1000nm
Scan Data Interval	1, 2 or 5nm selectable
Analysis	Absorbance and wavelength of peaks and valleys
Memory	50 methods and 3 scans
Kinetics	Graphical and calculated concentration value
Calibration	Against standard and factor
Correlation Factor	R ² displayed with result
Memory	50 methods and 3 graphed results
Concentration	-300 to 1999Conc.
Selectable Resolution	1, 0.1, 0.01 or 0.001
Calibration	Blank with a single standard or factor
Memory	50 methods
Quantitation	-300 to 1999Conc
Selectable Resolution	1, 0.1, 0.01 or 0.001
Calibration	Blank with up to 6 standards
Curve Correction	Linear regression, interpolation or linear regression through zero
Memory	50 methods including calibration curve
GLP	Real time clock and calendar, Operator ID, Supervisor security, Method display lock
Outputs	Analogue and RS232
Input Voltage	115/230V a.c. -20% $+10\%$ 50/60Hz
Input Power	<50W
Size / Weight	365 (w) x 272 (d) x 160 (h) mm / 6kg

Order Codes:

- 631 501** Model 6315 supplied with mains lead, pack 100 UV/Visible disposable cuvettes, 10x10mm cell holder, interface cable, PC Application Software on CD-ROM* and operating instructions (230V/50Hz).
- 631 531** Model 6315 supplied with mains lead, pack 100 UV/Visible disposable cuvettes, 10x10mm cell holder, interface cable, PC Application Software on CD-ROM* and operating instructions (110V/60Hz).

Accessories:

- 630 204** 10mm cuvette holder
- 630 005** Adjustable path length cuvette holder for 10 to 100mm cuvettes.
- 634 001** Rotary cuvette holder for up to four 10mm cuvettes.
- 648 001** Water heated cuvette holder compatible with a thermostatically controlled water circulator (037 201).
- 632 001** Sipper pump supplied with inlet and outlet tubing, mains cable and instruction manual (230V / 50Hz).
- 632 031** Sipper pump supplied with inlet and outlet tubing, mains cable and instruction manual (110V / 60Hz).
- 633 001** Heated cuvette system (cuvette holder and external control unit) supplied with interconnection cables, instruction manual, mains cables for EU, UK and USA, universal voltage and frequency.

*requires free online registration.

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Our policy is one of continuous research and development. We therefore reserve the right to amend the specifications within this document without notice.

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