

6310 Visible Scanning Spectrophotometer

- Spectrum scanning across entire range from 320 to 1000nm
- Concentration measurements by direct factor or by quantitation using up to 6 standards
- Kinetics with real time graphical display of sample and standard
- Store up to 50 methods in each mode

The 6310 visible spectrophotometer introduces scanning, kinetics and quantitation modes to this highly successful format. Complete with method storage and supervisory control functions, the 6310 is ideal for routine testing in clinical, veterinary, pharmaceutical and QC laboratories.

Technical Specification

Wavelength

Range	320 to 1000nm
Resolution	1nm
Accuracy	±2nm
Spectral bandwidth	8nm

Photometrics

Transmittance	0 to 199.9%T
Absorbance	-0.300 to 1.999A
Accuracy	±1%T
Resolution	0.1%T, 0.001A
Stray light	<0.5% at 340nm
Noise	<0.001A at 0A at 400nm
Stability	<0.002A/h after 30 minutes

Concentration

Range	-300 to 1999
Resolution	selectable 1, 0.1, 0.01 or 0.001
Calibration	Blank with a single standard or factor

Quantitation

Range	-300 to 1999
Resolution	Selectable 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

Kinetics

Display	Graphical and calculated concentration value
Calibration	Against standard and factor
Correlation factor	r ² value displayed with result

Spectrum

Range	Any range between 320 and 1000nm
Scan interval	1, 2 or 5nm, selectable
Analysis	Absorbance and wavelength of peaks and valleys

Other

GLP	Real time clock and calendar, Operator ID Supervisor security (locks all set up parameters) Method display lock
Light source	Tungsten halogen lamp
Outputs	Analogue and RS232
Power	<50W
Size (w x d x h)	365 x 272 x 160mm
Weight	6kg



6310

Ordering Information

Part Code Description

631 001	6310 visible, scanning spectrophotometer supplied with mains lead, pack 100 disposable cuvettes, 10 x 10mm cell holder, interface cable and PC application software on CD-ROM* (230V/50Hz)
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* requires free on-line registration



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.