

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) |
|---------|--|

* 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.



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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.