

## **Aurius Specification**

Monochromator	Littrow using 1200 L/mm holographic grating
Optical Bandwidth	4nm
Wavelength Range	190-1000nm; 325-1000nm visible versions
Wavelength Accuracy	Better than $\pm 1$ nm
Wavelength Reproducibility	0.1nm
Self Test and Calibration	Automatic at switch on
Straylight	Typically less than 0.01% at 220nm and 340nm
Display Screen - LCD	High resolution backlit with contrast control
Display Scrolling	Provides 6 screen widths for viewing plots etc.
Autozero	Automatic by press button
Photometric Ranges	Digital display of -0.3-3A, 0-200%T, 0-9999C
Photometric Accuracy	$\pm 0.005$ A or 1% whichever is greater
Photometric Noise	Less than $\pm 0.0002$ A (500nm)
Stability	Better than 0.001A/hour at constant temperature
Multi-Wavelength Analysis	2 and 3 wavelength methods.
Assay Program	Enter multi-wavelength formula for automatic computation and formatting of any assay
Curve Fitting and Editing	Linear, quadratic or cubic; up to 30 standards
Cell and Wavelength Programming	Up to 8 cells and 10 wavelengths combined
Method Storage	Up to 30 methods stored in protected memory
Absorbance Ratioing	260/280nm or two selected wavelengths
Peak Seek	Automatic search programme, baseline corrected
Reaction Kinetics	Tabulation of results, reaction plots, reprocessing
Batch Sampling	100 samples, internal control, screen display
Real Time Clock	Timed and dated reports
Computer/printer interfaces	Bi-directional serial RS232 and parallel ports
Sample Temperature	Displayed and set from keyboard
Size	480 x 340 x 205mm
Weight	16.8Kg Visible; 18.6Kg UV; + 0.9Kg with printer
Power Requirements	110-250V, 50/60Hz, 170W/120W UV/Visible versions