



6310 SCANNING SPECTROPHOTOMETER

The **6310 Scanning Spectrophotometer** has an advanced measuring system with modes for Photometrics, Concentration, Quantitation, Kinetics and Scanning. The 6310 will 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, the fully open operating system ensures compatibility with reagent kits from most manufacturers, as well as enabling full customization to the operator's choice of chemistries and operating procedures. **INCLUDES COMPLETE SET OF FUN-Science EXPERIMENTS AND 24/7 TECHNICAL AND APPLICATIONS SUPPORT (ONLY AVAILABLE THROUGH EDU-CHEM).**



Features Include:

Simple keypad layout and novel customizable menus ensure reliable operation by unfamiliar users.

Supervisor Security functions, when activated, enable all the set up options to be locked. These cannot be changed without the entry of a security code number.

Simultaneous display of Absorbance, Transmission and Wavelength in the Photometrics mode means that manual range changing is not necessary.

Simple concentration measurements using a single standard or factor can be made in the concentration mode. The Quantitation mode allows more complex concentration methods to be programmed, using up to 6 standards to create a calibration curve. For each curve fit option a linearity correlation coefficient is calculated.

A real-time graphical display of Kinetic measurement is shown, along with the calculated concentration value and other relevant data.

The Spectrum Scanning mode allows scans to be made across and selected portion of the 320-1000nm range. The auto-ranging Absorbance axis allows scans to be commenced with no prior knowledge of the peak Absorbance level expected.

Analogue output that can be used to drive chart recorders and other analogue recording or conversion devices.

A bi-directional RS232 serial port allows connection to serial printers and computers. **The 63-Ten software** allows full emulation of the instrument functions on a PC, including the importing of results and download of methods.

The large sample compartment enables a wide range of sampling devices to be fitted. Cuvette holders from 10 to 100mm in path length, a 4 position rotary cuvette holder and test tubes from 12.5 to 25mm can all be accommodated.

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Wavelength	
Range	320 - 1000nm
Resolution	1nm
Accuracy	±2nm
Bandwidth	8nm
Scan	1, 2 or 5nm selectable increment
5nm increment	1200nm/min
1nm increment	400nm/min
0.2nm increment	-
Absorbance	
Range	-0.300 to 1.999A
Resolution	0.001A
Transmittance	
Range	0 to 199.9%
Concentration	
Range	-300 to 1999
Resolution	1, 0.1, 0.01 or 0.001
Units	ppm, mg/l, g/l, M, %, or blank
Display	Custom Liquid Crystal Display
Outputs	RS232 port and Analog
Light Source	Tungsten Halogen
Input Voltage	115/230V
Input Power	<50W
Size (mm) w x d x h	365 x 272 x 160
Weight	6Kgs