

- Philips Tungsten-Halogen source lamp
- Hamamatsu Photodiode detector
- 1200lines/mm grating monochromator
- Wavelength range 335 to 1000nm
- Narrow (8nm) bandpass
- Automatic stray light filter selection
- Push-button auto-zero function
- Stable noise-free readings
- Photometric ranges include Concentration and Factor
- Accepts standard and semi-micro cuvettes and test tubes
- RS232 output for printer or PC
- PC software option
- COD vial holder available as accessory



This robustly built spectrophotometer combines a surprisingly high level of performance with a budget price. Wavelength is conveniently set using the rotary control and the instrument is ready for use within just a few minutes from switch-on. A membrane keyboard positioned next to the large, clear LCD display allows the operator to rapidly switch between %T, Abs and Concentration modes, and to set Zero Abs. The narrow 8nm bandpass is ideally matched to the wavelength range of 335 to 1000nm.

The remarkable stability and accuracy of the instrument will be welcomed by quality control and teaching laboratories. The sample compartment accepts either standard 10mm rectangular cuvettes, including disposable semi-micro cuvettes, or test-tubes, and the RS232 output provides a convenient link to a PC or a digital printer for hardcopy. A low-cost application program, which runs under Windows 9x includes the facility to create calibration curves on screen.

### Technical Specifications

Wavelength Range	335 to 1000nm
Optics	Single beam
Monochromator	1200 lines/mm grating
Bandpass	8nm
Wavelength accuracy	±2nm
Wavelength repeatability	±1nm
Stray light	<0.3%T @ 340nm
Photometric ranges	0-2A, 0-125%T, 0-1999C and 0-1999 Factor
Photometric accuracy	±1.0%A, 0-2A
Light source	Tungsten-Halogen lamp
Detector	Photodiode
Data output	RS232 for printer or PC
Short-term noise	<0.001A @ 0.000Abs
Zero drift	less than 0.003A/hr
Weight	6Kg
Dimensions (W,D,H)	408 x 308 x 185mm

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