



Name UV-VIS SPECTROPHOTOMETER

Model UV7504 Series



**UV7504PC UV-VIS
SPECTROPHOTOMETER (Spectral scanning)**

Introduction:

UV7504 series is single beam spectrophotometer that analyzes specimen materials in the ultra-violet and visible spectral range. Its high precision and reliable performance made it ideal for applications in medicine, petrochemistry, agriculture, food industry, biochemistry, environmental protection and many other fields.

Features:

- ※ Easy operation: Built-in microcomputer, panel with simple keys, LCD display and spacious sample compartment.
- ※ High precision and working stability: The high reliability is achieved with the installation of a CT monochromator.
- ※ Advanced calculation and high automation: New micro-processing technology is applied to strengthen the data processing.
- ※ Automatic 0%(T) and 100%T calibration
- ※ Automatic interchange of wavelength and auto position adjustment of UV and Vis lamp.
- ※ *Compatibility with PC and printer: Built-in RS-232 interface permits data transfer to a PC. And a printer can be connected directly to the instrument through the parallel printer port.
- ※ *Easy creating and storing programme and scans: With the bundled software this product is capable of charting and storing the scan results.

(*available with PC model.)

Optional Accessories

- ※ 100mm cuvette rack
- ※ Homiothermy waterbath 3-cuvette rack
- ※ Universal type Test tube(Can use the $\Phi 8\sim\Phi 16\text{mm}$ or $\Phi 16\text{mm}\sim\Phi 22\text{mm}$ Test tube)
- ※ Automatic 4-cuvettes rack(1cm)
- ※ Reflection attachment

Specifications

Model	UV-7504PC (Spectral scanning)	UV-7504C	UV-7504
Optical system	Single beam, Grating 1200 line/mm		
Spectral Bandwidth	4nm		
Wavelength range	200-1000nm		
Wavelength accuracy	±0.5nm	±1nm	±2nm
Wavelength reproducibility	0.2nm	0.5nm	1nm
Wavelength readability	0.1nm		
Photometric accuracy	±0.5%T		
Photometric reproducibility	≤0.2%T		
Stray light	≤0.3%T Δ220nm、340nm		≤0.5%T Δ220nm、340nm
Baseline flatness	±0.004A	/	
Stability	≤0.004A/60min/500nm(after 30min warmup)		
Photometric range	0-125%T、-0.097-2.70A、0-1999C		
Light source	Deuterium & Tungsten-halogen lamp		
Display	LCD (2*20)		
Data output	RS-232C		
Analysis software	With	Support	
Detector	Silicon photovoltaic cells		
Cuvette holder	10mm		
Cuvettes	10mm quartz cuvettes /2 cases、10mm glass cuvettes /4 cases		
Power	AC 100 / 240V; 50 / 60Hz; 300W		
Dimensions	440*370*200mm		
Weight	17kg		