

UV 1800 Single Beam Spectro Photometer



Features

- Scan type spectrophotometer with wide wavelength range, satisfying requirements of various fields.
- Three options for spectral bandwidth selection 5nm, 2nm and 1nm, made according to customer's need and satisfy the requirements of pharmacopoeia.
- Manual 4 – cell holder accommodated long path length cells up to 100mm
- Optimized optics and electronics design, light source and detectors from world famous manufacturer ensure high performance and reliability.
- Rich measurement methods : wavelength scan, time scan, multi-wavelength determination, multi-order derivative determination, double-wavelength method and triple-wavelength method etc., meet different measurement requirements.
- Data output can be obtained via a printer port and a RS – 232 interface (RS 485 and USB port optional).
- Parameters and data can be saved for user's convenience.
- PC controlled measurement can be achieved for more accurate and flexible requirement.

Specifications	
Wavelength Range	190 -1100nm
Spectral Bandwidth	2nm (5nm,1nm optional)
Wavelength Accuracy	± 0.5nm
Wavelength Reproducibility	0.2nm
Photometric Accuracy	± 0.5% T (0-100%T), ± 0.002A (0-0.5A) ± 0.004A (0.5A- 1A)
Photometric Reproducibility	0.2%T
Working Mode	T, A, (-0.3-3A) C, E
Stray Light	≤ 0.1% T(NaI, 220nm, Na NO ₂ 340nm)
Baseline Flatness	± 0.002A
Stability	0.001A(at 500nm, after warming up)
Noise	± 0.001A(at 500nm, after warning up)
Display	6 inches high light blue LCD
Detector	Silicon photodiode
Power	AC 220V/50Hz, 110V/60Hz, 140W
Dimensions	530 x 410 x 210mm
Weight	18kg

UV Single Beam Spectro Photometer

UV 9200 Single Beam Spectro Photometer



Features

- Microprocessor control, 16x2 LCD display.
- Auto zero and auto 100% T adjustment provided.
- Calibration curve can be set up by either measuring or entering up to 10 standards or entering K and B factors directly via the keyboard.
- Parameters can be saved for later use
- Up to 10 calibration curves can be stored and edited for user's convenience.
- Data can be printed on an optional desktop printer and can be downloaded to a PC through RS – 232
- PC control provided for more accurate and flexible measurement requirements (optional)
- Auto – wavelength control (optional).

Specifications	
Wavelength Range	190 -1100nm
Wavelength accuracy	$\leq \pm 2.0\text{nm}$
Wavelength Reproducibility	$\leq 1\text{nm}$
Monochromator	Single-beam, C - T type, grating 1200L/mm
Photometric Accuracy	$\leq \pm 0.5\% T$
Photometric Reproducibility	$\leq 0.3\%T$
Stray Light	$\leq 0.1\% T(\text{NaI, at } 220\text{nm}), \text{ Na NO}_2 \text{ at } 340\text{nm})$
Spectral Bandwidth	5nm (1,2,4nm optional)
0% T Stability	$\leq 0.2\% T (30\text{min})$
100% T stability	0.001A/30min (at 500nm, after warming up)
Operation mode	T, A, C, E
Photometric Range	-0.3 - 3A
Display	16x2 LCD
Detector	Silicon photodiode
Light source	Tungsten halogen lamp, D2 lamp
Power requirement	220/110V $\pm 10\%$, 50/60HZ
Power consumption	120W
Dimensions	530 x 410 x 210mm
Net Weight	16kg

CT-5, CT-6 Series Single Beam UV/Vis Spectrophotometer

Features:

- CT-5, CT-6 Series are advanced single beam design consisting of 10 models. Different one with different bandwidth and wavelength accuracy. All of them provide excellent performance for measurement in the range of 190nm to 1100nm.
- CT-5, CT-6 series can be divided into two types—PC Models and Stand-alone Models, separately offer excellent performance.
- To Stand-alone models, all software methods are included as built-in standard, thus eliminating the need for software options.
- Online software upgrade via Internet helps to keep your software up-to-date.
- Data Download-to-PC software expands the data storage to unlimited.
- The CT-5, CT-6 series are suitable for clinical lab applications, pharmaceutical and biochemical as well as routine applications such as quantitative analyses, kinetics, wavelength scanning, multiple components and DNA/Protein analysis.
- PC Windows® application software and built-in software make this instrument versatile.

Model	CT-5000 CT-5100	CT-5600 CT-5700	CT-6200 CT-6100	CT-6400 CT-6300	CT-6600 CT-6500
Optical System	Single Beam, Grating 1200 lines/mm				
Wavelength Range	190-1100nm				
Spectral Bandwidth	4.0nm	2.0nm	1.8nm	0.5/1.0/2.0/4.0nm	1.0nm
Wavelength Accuracy	±0.5nm		±0.3nm		
Wavelength Repeatability	0.3nm		0.2nm		
Photometric Accuracy	±0.3% T		±0.2% T		
Photometric Repeatability	0.2% T		0.15% T		
Stray Light	<0.05% T				
Baseline Stability	±0.002 A/h		±0.001 A/h		
Baseline Flatness	±0.002 A (200-1000nm)		±0.001 A (200-1000nm)		
Display	LCD (320 × 240) / PC Model (Please see page 28)				
Photometric Mode	T, A, E				
Scanning Speed	High, Med., Low., Max. 3000nm/min				
Wavelength Setting	Automatic				
Photometric Range	-0.3-3 A, 0-200% T, 0-9999 Conc.				
Detector	Si Photodiode				
Light Source	Halogen & Deuterium lamp (pre-aligned)				
Keyboard	Membrane Keypad (CT-5000, CT-5600) Membrane Keypad or PC (CT-5100, CT-5700, CT-6100, CT-6200, CT-6300, CT-6400, CT-6500, CT-6600)				
Output	USB Port & Parallel Port (Printer)				
Power Requirement	AC 220V/50Hz or AC 110V/60Hz				
Dimensions (W × D × H)	480mm × 360mm × 160mm		600mm × 450mm × 200mm		
Weight	16Kg		25Kg		

CT-2400 Series Spectrophotometer



- CT-2400 series spectrophotometer have attractive performance for general data. As long as you use your standard sample solution, you can get a standard curve on the large LCD screen by local control software. In addition, you can print the curve through USB or analog port.
- Functions of this instrument include:
 - Basic model—Absorbance, transmittance, or concentration measurement.
 - Standard Curve—At least 9 standard samples can be used to establish a standard curve. The curve and the curve equation will be displayed on the screen simultaneously to measure concentration of unknown solutions by the curve.
 - Coefficient Method—If you have known the coefficient of k&b of the formula $C=kA+b$, you can input the value and then test the unknown solutions.
 - This instrument has been widely used in colleges and enterprises for general quantitative analysis and experiments.

Model	CT-2400
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Range	200-1100nm
Spectral Bandwidth	4nm
Wavelength Accuracy	±1nm
Wavelength Repeatability	1nm
Photometric Accuracy	±0.5% T
Photometric Repeatability	0.3% T
Stray Light	0.3%T
Baseline Stability	±0.004 A/h (500nm)
Display	LCD (128 × 64)
Photometric Mode	T, A, E
Wavelength Setting	Automatic
Photometric Range	-0.097-2.5 A, 0-125% T
Detector	Si Photodiode
Keyboard	Membrane Keypad
Light Source	Tungsten & Deuterium
Output	USB Port & Parallel Port (Printer)
Power Requirement	AC 220V/50Hz or AC 110V/60Hz
Dimensions (W × D × H)	470 × 370 × 180mm
Weight	12Kg

CT-2200 Series Spectrophotometer



- CT-2200 is the only style of manual-setting wavelength function among CT spectrophotometers. Its precise design and high quality components ensure excellent performance.
- Because of its convenience this instrument has been widely used in high schools and colleges for general analysis and experiments.

Model	CT-2200
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Range	200-1000nm
Spectral Bandwidth	5nm
Wavelength Accuracy	±2nm
Wavelength Repeatability	1nm
Photometric Accuracy	±0.5% T
Photometric Repeatability	0.3% T
Stray Light	0.5% T
Baseline Stability	±0.004 A/h (500nm)
Display	LCD (128 × 64)
Photometric Mode	T, A, E
Wavelength Setting	Automatic
Photometric Range	-0.097-1.999 A, 0-125% T
Detector	Si Photodiode
Light Source	Tungsten & Deuterium
Keyboard	Membrane Keypad
Output	USB Port & Parallel Port (Printer)
Power Requirement	AC 220V/50Hz or AC 110V/60Hz
Dimensions (W × D × H)	470mm × 370mm × 180mm
Weight	12Kg

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