

Spectrophotometers, models 7300, 7305, 7310 and 7315



SP/25040



SP/25070

The range includes two basic models, 7300 and 7305 and two advanced models, 7310 and 7315. The 7300 and 7305 feature measurement modes for absorbance, % transmittance and concentration.

The 7310/15 add spectrum scanning, kinetics and quantitation. Fitted with a USB port on the front of the unit so results can be stored directly to a USB memory stick. These models can store up to 240 methods which can be copied from one unit to another using the USB capability. Enhanced security features allow the settings and methods to be locked preventing unauthorized changes. The home page can also be customized and selected modes restricted, which is ideal for teaching laboratories.

Technical Specifications

Model	7300	7305	7310	7315
Wavelength Range	320 to 1000nm	198 to 1000nm	320 to 1000nm	198 to 1000nm
Wavelength Resolution/accuracy/bandwidth	1nm / ± 2 nm / 5nm			1nm
Absorbance Range	-0.300 to 2.500A			
Transmittance Range	0 to 199.9%T			
Photometric Accuracy	$\pm 1\%$ T, $\pm 0.01A$ at 1.000 Absorbance			
Concentration/Quantitation Range	-300 to 9999			
Resolution	Selectable 1/0.1/0.01/0.001			
Concentration Units	no units, %, ppm, EBC, SRM, mEq/l, mEq, M, mM, μ M, nM, U, U/l, U/ml, g/l, mg/l, μ g/l, ng/l, g/dl, mg/dl, μ g/dl, mg/ml, μ g/ml, ng/ml, μ g/ μ l, ng/ μ l, mol/l, mmol/l			
Concentration Calibration	Blank with a single standard or factor			
Quantitation Calibration	Blank with up to 6 standards			
Kinetics Display value	Graphical & calculated concentration			
Kinetics Calibration	Blank with a single standard or factor			
Spectrum Scan Data Interval	1, 2 or 5nm			
GLP	Real time clock & calendar, operator ID			
Light Source	Tungsten halogen	Xenon lamp	Tungsten halogen	Xenon lamp
Outputs	Analogue, RS232, Internal printer			
Size (WxDxH) /Weight	275 X 400 X 220mm / 6kg			

Cat. No.	Code	Description
SP/25040	730 001	Spectrophotometer model 7300 Visible
SP/25050	730 501	Spectrophotometer model 7305 UV/Visible
SP/25060	731 001	Spectrophotometer model 7310 Visible scanning
SP/25070	731 501	Spectrophotometer model 7315 UV/Visible scanning
Accessories		
SP/25030	012 075	Tungsten halogen lamp
SP/25290	730 545	Xenon lamp module
SP/25292	735 001	Dust cover
SP/25640	660 101	Internal printer (packed)
PH/25520	037 702	Paper roll for thermal printer
SP/25294	735 401	8 cell automatic turret
SP/25296	735 201	Sipper pump
SP/25298	735 301	Peltier
SP/25300	735 701	Sipper/Peltier pump
SP/25302	630 204	10 x10mm path length cuvette holder
SP/25304	637 071	Test tube holder (accepts 10mm square cuvettes, 16 and 24mm diameter test tubes)
SP/25024	630 005	10 to 100mm adjustable path length cuvette holder
SP/25306	630 304	Micro-cuvette holder with reduced aperture
SP/25308	736 201	Water heated 10x10 single cell holder
SP/25312	019 146	4GB USB memory sticks for external memory