

JENWAY

65 Series

Spectrophotometers by Jenway...
High performance, scanning capable systems



The **6500 Visible and 6505 UV/Visible** high performance spectrophotometers feature photometric, kinetic, spectrum (*scanning*), multi-wavelength, and quantitation capabilities. High quality split-beam optics reduce stray light and enhance overall reliability by minimizing the number of optical elements. The unit operates through a graphical user interface with a mouse, keypad and a VGA back lit monochrome LCD for user-friendly interactive control. Data can be printed on an optional internal printer or can be transferred to PC through the bi-directional RS232 with the new DataWay PC software. In addition, an automatic results log allows reading to be stored or printed at user set time intervals. DataWay's expanded print options allow the printing of graph and table on separate sheets or together with either the graph or table on top. The internal memory and optional data card can store methods and results for recall and allow unlimited memory capacity. This innovative laboratory instrument is covered under a 3-year warranty¹, and is priced to fit any laboratory budget.



- **5 modes of operation:**
 - Photometrics- - Spectrum (*Scanning*)
 - Multi-wavelength - Kinetics - Quantitation
- Large housing fits wide variety of accessories
- Standard with 8 cell motorized cell changer
- Versatile method and spectra storage
- Split beam scanning
- 1.8nm bandwidth
- Wide range of operation:
320-1100 nm (**6500**) or 190-1100 nm (**6505**)
- DataWay PC Software
- Security Lock
- Optional Versatile Sampling System
- Easy Programming, Menu Driven Operations
- UV-lamp save option
- 3 year parts and labor warranty¹

Photometrics

Routine measurements of %T, Absorbance, & Concentration
 Selectable units: ppb, ppm, ug/l, mg/l, g/l, M, %, or blank
 Large dual display of wavelength and photometric reading

Multi-wavelength

Simultaneous reading and display of up to 4 wavelengths
 Readings displayed in %T, Absorbance, or Concentration
 Selection of primary and secondary wavelength

Kinetics

%T or Absorbance value versus time plotted
 Adjustable lag, run time, and start on level
 Graphical display of data

Spectrum (*Scanning*)

6500 & 6505 have full scanning capabilities with
 4 scan intervals: 0.2 nm, 1nm, 5 nm, 10 nm
 Scan Speed to 1200 nm/minute
 Real-time spectrum scan
 Auto re-scale capability
 Hard copy printout of settings, scan, & statistics (with printer or PC software)
 Post scan analysis and baseline correction

Quantitation

Up to 20 selectable calibration points can be performed
 Up to 5 duplicate readings on each standard
 Auto re-scale capability with an 8 curve fit curve selection

Technical Specification

	Model 6500	Model 6505
Wavelength Range	320-1100nm	190-1100nm
Wavelength Resolution	0.1nm	0.1nm
Wavelength Accuracy	+/- 1nm	+/- 1nm
Bandwidth	1.8nm	1.8nm
Absorbance		
Range	-0.3 to 3.000A	-0.3 to 3.000A
Resolution	0.001A	0.001A
Transmittance		
Range	0 to 199.9%	0 to 199.9%
Resolution	0.1%	0.1%
Concentration		
Range	-300 to 9999	-300 to 9999
Resolution	1, 0.1, 0.01, 0.001	1, 0.1, 0.01, 0.001
Factor Range	0.000 to 9999.99	0.000 to 9999.99
Kinetics Lag Time	0 to 9999 seconds	0-9999 seconds
Kinetics Run Time	10 to 9999 sec	10 to 9999 sec
Dwell Time	0 to 99 seconds	0 to 99 seconds
Photometric Linearity	0.005A @1.0A	0.005A @1.0A
Stray Light	0.05%T @340nm	0.05%T @340nm
Drift	+/- 0.001A per hour	+/- 0.001A per hour
RS232	Bi-directional	Bi-directional
Analog output	Yes	Yes
Print/Save Auto Log	Yes	Yes
Operating Temperature	15 to 30 C	15 to 30 C
Operating Humidity	0 to 90% RH	0 to 90% RH
Weight	33 lbs	33 lbs
Display	Graphical LCD 12.6x9.5 in	
Visible Light Source	Tungsten Halogen	Tungsten Halogen
UV Light Source	N/A	Deuterium Lamp

Ordering Information

Model	Description
650 001	Model 6500 Visible with 8 position multi-cell changer, 240V
650 031	Model 6500 Visible with 8 position multi-cell changer, 117V
650 501	Model 6505 UV/Vis with 8 position multi-cell changer, 240V
650 531	Model 6505 UV/Vis with 8 position multi-cell changer, 117V
640 133	Dust cover
7062828	Spectrophotometer printer
642 002	Sipper pump ²
643 032	Peltier heated cell system ² , 110V
647 032	Temperature controlled sipper system ² , 110V
035 088	Calibration set (VIS)
035 091	Calibration set (UV-Visible)
050 501	DataWay PC software

¹ Deuterium lamp 1 year warranty; Tungsten halogen lamp consumable
² Factory fitted