

Cole Parmer UV-Vis Spectrophotometers

UV-Vis analysis is one of the most established analytical techniques used to identify the presence and concentration of many molecular entities. Spectrophotometers are used in many applications and across multiple industries. Cole-Parmer® can provide an instrument perfect for your application and budget. All spectrophotometers models are:

- Robust
- Reliable
- Highly competitive
- Excellent value for money

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Richmond Scientific](#)



	SP-200-UV	SP-300-UV	SP-350-UV	SP-400-UV	SP-500-UV	SP-600-UV	SP-800-UV
Beam	Single Beam	Single Beam	Single Beam	Single Beam	Single Beam	Split Beam	Double Beam
Wavelength							
Range (nm)	198 - 1000	198 - 1000	198 - 1000	198-800	198 - 1000	198 - 1000	190 - 1000
Bandwidth (nm)	8	5	5	5	5	1.5	0.5, 1, 2, 4, 5
Photometrics	✓	✓	✓	✓	✓	✓	✓
Concentration	✓	✓	✓	✓	✓	✓	✓
Spectrum scan	-	-	✓	✓	✓	✓	✓
Kinetics	-	-	✓	✓	✓	✓	✓
Quantitation	-	-	✓	✓	✓	✓	✓
Multi-wavelength	-	-	-	-	✓	✓	✓
Optical density	-	-	-	✓	-	-	-
Data							
Post-Scan Analysis	-	-	✓	✓	✓	✓	✓
File Output	-	-	CSV	CSV	Ethernet (RJ45)	Ethernet (RJ45)	USB & Parallel
Removeable Media	-	-	USB	USB	USB	USB	USB
PC Software	✓	✓	✓	-	✓	✓	✓
Output	Analogue RS232	Analogue RS232	Analogue RS232, USB	USB	USB, Ethernet (RJ45)	USB, Ethernet (RJ45)	USB, Ethernet (RJ45)

Cole Parmer Life Science UV-Vis

The Life Science Spectrophotometers from Cole Parmer have all the features of a standard spectrophotometer plus features dedicated to life science analysis. They feature pre-programmed methods to measure ssDNA, dsDNA, RNA, and oligonucleotide concentrations; as well as methods for Bradford, Lowry, Biuret, Bicinchoninic Acid (BCA), and Direct UV assays. The NANO models require only a few μL of sample



	SP-350-BIO	SP-350-NANO	SP-400-BIO	SP-500-NANO
Beam	Single Beam	Single Beam	Single Beam	Single Beam
Wavelength				
Range (nm)	198 - 1000	198 - 1000	198 - 800	190 -1000
Bandwidth (nm)	5	5	5	0.5, 1, 2, 4, 5
Photometrics	✓	✓	✓	✓
Concentration	✓	✓	✓	✓
Spectrum scan	-	✓	✓	✓
Kinetics	-	✓	✓	✓
Quantitation	-	✓	✓	✓
Multi-wavelength	-	-	-	✓
Optical density	-	-	✓	-
Sample type				
Cuvette/Drop	Cuvette	0.5-2 μL	Cuvette	0.5-2 μL
Data				
Post-Scan Analysis	-	✓	✓	✓
File Output	-	CSV	CSV	USB & Parralel
Removeable Media	-	USB	USB	USB
PC Software	✓	✓	-	✓
Output	Analogue RS232	Analogue RS232	USB	USB, Ethernet (RJ45)

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Cole Parmer Visible Spectrophotometers

Spectrophotometers are used in many applications and across multiple industries. Cole-Parmer® can provide an instrument perfect for your application and budget.

Compare all visible spectrophotometers here, or see the range of UV-Vis or Life Science instruments on our website.

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	SP-200-VIS	SP-250-VIS	SP-300-VIS	SP-350-VIS	SP-400-VIS	SP-500-VIS
Wavelength						
Range (nm)	320-1000	320-1000	320-1000	320-1000	320-1000	320-1000
Bandwidth (nm)	8	8	5	5	7	5
Photometrics	✓	✓	✓	✓	✓	✓
Concentration	✓	✓	✓	✓	✓	✓
Spectrum scan	-	-	-	✓	✓	✓
Kinetics	-	-	-	✓	✓	✓
Quantitation	-	-	-	✓	✓	✓
Multi-wavelength	-	-	-	✓	-	✓
Optical density	-	-	-	-	✓	-
Data						
Post-Scan Analysis	-	-	-	✓	✓	✓
File Output	-	-	-	CSV	CSV	Ethernet (RJ45)
Removeable Media	-	-	-	USB	USB	USB
PC Software	✓	✓	✓	✓	-	-
Output	Analogue RS232	Analogue RS232	Analogue RS232	Analogue RS232, USB	USB	USB, Ethernet (RJ45)