

# Welcome to the range

Jenway offer five ranges of visible and UV/visible spectrophotometers, which have been designed to suit a wide range of budgets, industries and applications.

## Visible Spectrophotometers



	6300	6320D	7200	7300	7310	6700
Beam	Single Beam	Single Beam	Single Beam	Single Beam	Single Beam	Split Beam
<b>Wavelength</b>						
Range (nm)	320 to 1000	320 to 1000	335 to 800	320 to 1000	320 to 1000	320 to 1100
Bandwidth (nm)	8	8	7	5	5	4
<b>Modes</b>						
Photometrics	✓	✓	✓	✓	✓	✓
Concentration	✓	✓	✓	✓	✓	✓
Spectrum Scan	-	-	✓	-	✓	✓
Kinetics	-	-	✓	-	✓	✓
Quantitation	-	-	✓	-	✓	✓
Multi-Wavelength	-	-	-	-	-	✓
Optical Density	-	-	✓	-	-	-
<b>Data</b>						
Post-scan Analysis	-	-	✓	-	✓	✓
File output	-	-	CSV	-	CSV	CSV or BMP
Removable Media	-	-	USB	-	USB	SD
PC Software	✓	✓	-	✓	✓	✓
Interface	Analogue RS232	Analogue RS232	USB	Analogue RS232	Analogue RS232	Analogue, USB, Centronics

### 6300 & 6320D

### 7200

### 7300 & 7310

### 6700

The 6300 and 6320D are basic single beam entry level visible spectrophotometers, which have measurement modes for absorbance, % transmittance and concentration. The 6320D has a domed lid making it ideal to accept test tubes up to 105 mm tall. The 63 series spectrophotometers are covered by a 3 year warranty.

The 7200 spectrophotometer is the latest addition to the Jenway range. It is the first visible scanning spectrophotometer in the Jenway range to leverage diode array technology to produce exceptionally fast results. This spectrophotometer has measurement modes for basic absorbance and % transmittance; concentration calculated using a standard or a factor; optical density; quantitation with the ability to create a calibration curve using up to 6 standards and 3 replicates; full spectrum scanning and kinetics where up to 3 wavelengths can be measured simultaneously. The 7200 is covered by a two year warranty.

The 73 series spectrophotometers are single beam spectrophotometers which use icon driven software and soft key navigation for intuitive set up and use. The 7300 and 7310 models cover the visible part of the spectrum. The 7300 has basic measurement modes for photometrics and concentration. The 7310 introduces more measurement modes including spectrum scanning, quantitation and kinetics. This advanced model also has a USB port for saving methods and results. Both models have the option of an integrated printer and are supplied with free PC software. The whole range is covered by a 3 year warranty.

The 6700 spectrophotometer is a split beam visible spectrophotometer that possess a host of novel features. These include a colour touch screen, secure multi-user operation, a full range of plug-in accessory modules and flash synchronised scanning which allows the 67 series to achieve scan speeds of 1500nm/min, even when scanning at a resolution of 0.1nm. The 67 series spectrophotometers are covered by a 3 year warranty.

For more help selecting a spectrophotometer contact [techsupport@coleparmer.com](mailto:techsupport@coleparmer.com)

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## UV/Visible Spectrophotometers

## Life Science Micro-volume



	6305	7205	7305	7315	6705	6715	6850	Genova Plus	Genova Nano
Beam	Single Beam	Single Beam	Single Beam	Single Beam	Split Beam	Split Beam	Double Beam	Single Beam	Single Beam
<b>Wavelength</b>									
Range (nm)	198 to 1000	198 to 800	198 to 1000	198 to 1000	190 to 1100	190 to 1100	190 to 1100	198 to 1000	198 to 1000
Bandwidth (nm)	8	5	5	5	4	1.5	0.5, 1, 2, 4, 5	5	5
<b>Modes</b>									
Photometrics	✓	✓	✓	✓	✓	✓	✓	✓	✓
Concentration	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spectrum Scan	-	✓	-	✓	✓	✓	✓	✓	✓
Kinetics	-	✓	-	✓	✓	✓	✓	✓	✓
Quantitation	-	✓	-	✓	✓	✓	✓	✓	✓
Multi-wavelength	-	-	-	-	✓	✓	✓	✓	✓
Optical Density	-	✓	-	-	-	-	-	✓	✓
<b>Data</b>									
Post-scan Analysis	-	✓	-	✓	✓	✓	✓	✓	✓
File Output	-	CSV	-	CSV	CSV or BMP	CSV or BMP	-	CSV or BMP	CSV or BMP
Removable Media	-	USB	-	USB	SD	SD	-	USB	USB
PC Software	✓	-	✓	✓	✓	✓	✓	-	-
Interface	Analogue RS232	USB	Analogue RS232	Analogue RS232	Analogue, USB Centronics	Analogue, USB Centronics,	RS232 USB	Analogue RS232	Analogue RS232

7205

7305 & 7315

6705 & 6715

6850

Genova Series

The 7205 spectrophotometer is the latest addition to the Jenway range. It is the first UV/visible scanning spectrophotometer in the Jenway range to leverage diode array technology to produce exceptionally fast results. This spectrophotometer has measurement modes for basic absorbance and % transmittance; concentration calculated using a standard or a factor; optical density; quantitation with the ability to create a calibration curve using up to 6 standards and 3 replicates; full spectrum scanning and kinetics where up to 3 wavelengths can be measured simultaneously. The 7205 is covered by a two year warranty.

The 73 series spectrophotometers are single beam spectrophotometers which use icon driven software and soft key navigation for intuitive set up and use. The 7305 and 7315 models use a press to read xenon lamp to cover the UV/visible part of the spectrum. The 7305 has basic measurement modes for photometrics and concentration. The 7315 introduces more measurement modes including spectrum scanning, quantitation and kinetics. This advanced model also has a USB port for saving methods and results. Both models have the option of an integrated printer and are supplied with free PC software. The whole range is covered by a 3 year warranty including the xenon lamp.

The 6705 and 6715 spectrophotometers are a range of split beam UV/visible spectrophotometers that possess a host of novel features. These include a colour touch screen, secure multi-user operation, a full range of plug-in accessory modules and flash synchronised scanning which allows the 67 series to achieve scan speeds of 1500nm/min, even when scanning at a resolution of 0.1nm. Model 6705 has a spectral bandwidth of 4nm and model 6715 has a spectral bandwidth of 1.5nm. The 67 series spectrophotometers are covered by a 3 year warranty including the xenon lamp.

The 6850 is a UV/visible double beam spectrophotometer with a variable spectral bandwidth. This spectrophotometer has an integrated user interface for local control and ease of navigation. The 6850 is ideal for quality control, general research, pharmaceutical, biochemical and clinical laboratory applications. This model is covered by a 1 year warranty.

The Genova Plus and the Genova Nano are Jenway's UV/visible spectrophotometers dedicated for life science analysis. The Genova Plus has methods for the measurement of nucleic acid concentration and purity, protein assays and cell density in addition to the functionality of the 73 series spectrophotometers. The Genova Nano has all the functions of the Genova Plus along with micro-volume capability. The Genova Nano micro-volume spectrophotometer measures small sample volumes as low as 0.5µl with a high degree of accuracy (down to 2ng/µl dsDNA), reproducibility and speed. These spectrophotometers are covered by a three year warranty.

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