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Scientific Equipment

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**JENWAY**

Focus on Spectroscopy



**Cole-Parmer®**  
*scientific experts*

## Introduction

UV-visible spectroscopy is the measurement of the absorbance of light at a specific wavelength by a sample within the UV or visible region of the spectrum. Spectroscopy is one of the most established analytical techniques used to identify the presence and concentration of many molecular entities. As spectrophotometers are used in many applications and across multiple industries, Jenway have five spectrophotometer ranges designed to suit a wide range of budgets.

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



## Spectrophotometer Accessories

### Optional Jenway Spectrophotometer extras

Jenway spectrophotometers are very versatile and flexible instruments with an extensive range of accessories which have been specifically designed to be easily interchangeable.



## 72 Series

### Visible and UV/Visible Scanning Spectrophotometer

- Scanning diode array technology
- Colour touchscreen navigation
- Small footprint and lightweight
- English, French and German language options
- Fast scan speed
- Extensive range of accessories available
- Multiple USB ports for data storage and printer connectivity
- 2 year warranty (including Xenon lamp)



## 63 Series

### Entry-level Single Beam Visible and UV/Visible non-scanning Spectrophotometers

- Multi-parameter display with wavelength and photometric readouts
- Small footprint
- Wide range of sampling accessories
- Domed lid of 6320D accepts tubes up to 105mm
- 6305 utilises a high quality pulsed xenon lamp
- Easy and intuitive operation
- 3 year warranty







## 73 Series

### Visible and UV/Visible Spectrophotometers

- 5nm spectral bandwidth
- Absorbance range -0.3 to 2.5 Abs
- Icon driven software
- Autologging capabilities
- Free bi-directional PC software
- Extensive range of accessories
- Results and method saving to USB memory stick (models 7310/7315 only)
- 3 year warranty including xenon lamp



## Genova Series

### Dedicated Life Science Spectrophotometers

- 5nm spectral bandwidth
- Absorbance range -0.3 to 2.5A
- Pre-programmed for DNA/RNA analysis
- Purity scan across entire wavelength range
- Pre-programmed methods for protein analysis
- Standard spectrophotometer functions
- Method and result saving to USB memory stick
- Direct pipetting of sample onto read head (Nano)
- Only 0.5µl sample volume required (Nano)
- Detects DNA concentrations as low as 2ng/µl (Nano)
- 3 year warranty including xenon lamp



## 67 Series

### Split Beam Visible and UV/Visible Scanning Spectrophotometers

- High quality, sealed split beam optics for optimum photometric performance
- 4nm and 1.5nm spectral bandwidth
- Colour touch screen display
- Secure multi-user operation
- Save to SD memory cards
- Extensive range of accessories for flexibility and improve productivity
- 3 year warranty including xenon lamp



## Model 6850

### UV/Visible Double Beam Spectrophotometer

- Double beam spectrophotometer with highly stable optics
- Jenway Prism PC software included as standard
- Variable spectral bandwidth 0.5, 1, 2, 4 and 5nm
- Integrated user interface for local control
- Conforms to European Pharmacopeia requirements
- USB for data storage



## Visible Spectrophotometers

Life Science Micro-volume



	6300	6320D	7200	7300	7310	6700	Genova Plus	Genova Nano
Beam	Single Beam	Single Beam	Single Beam	Single Beam	Single Beam	Split Beam	Single Beam	Single Beam
<b>Wavelength</b>								
Range (nm)	320 to 1000	320 to 1000	335 to 800	320 to 1000	320 to 1000	320 to 1100	198 to 1000	198 to 1000
Bandwidth (nm)	8	8	7	5	5	4	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
Removable Media	-	-	USB	-	USB	SD	USB	USB
PC Software	✓	✓	-	✓	✓	✓	-	-
Interface	Analogue RS232	Analogue RS232	USB x	Analogue RS232	Analogue RS232	Analogue, USB, Centronics	Analogue RS232	Analogue RS232

## UV/Visible Spectrophotometers



	6305	7205	7305	7315	6705	6715	6850
Beam	Single Beam	Single Beam	Single Beam	Single Beam	Split Beam	Split Beam	Double 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
Bandwidth (nm)	8	5	5	5	4	1.5	0.5, 1, 2, 4, 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	-
Removable Media	-	USB	-	USB	SD	SD	-
PC Software	✓	-	✓	✓	✓	✓	✓
Interface	Analogue RS232	USB x	Analogue RS232	Analogue RS232	Analogue, USB Centronics	Analogue, USB Centronics,	RS232 USB

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