

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
Wavelength								
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
Modes								
Photometrics	✓	✓	✓	✓	✓	✓	✓	✓
Concentration	✓	✓	✓	✓	✓	✓	✓	✓
Spectrum Scan	-	-	✓	-	✓	✓	✓	✓
Kinetics	-	-	✓	-	✓	✓	✓	✓
Quantitation	-	-	✓	-	✓	✓	✓	✓
Multi-Wavelength	-	-	-	-	-	✓	✓	✓
Optical Density	-	-	✓	-	-	-	✓	✓
Data								
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
Wavelength							
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
Modes							
Photometrics	✓	✓	✓	✓	✓	✓	✓
Concentration	✓	✓	✓	✓	✓	✓	✓
Spectrum Scan	-	✓	-	✓	✓	✓	✓
Kinetics	-	✓	-	✓	✓	✓	✓
Quantitation	-	✓	-	✓	✓	✓	✓
Multi-wavelength	-	-	-	-	✓	✓	✓
Optical Density	-	✓	-	-	-	-	-
Data							
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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