

65 Series Spectrophotometers



- 1.8nm bandpass
- High performance split beam optics
- Mouse control with graphical user interface
- Internal & Removable (SRAM) memories
- 8-position Automatic Cell Changer supplied
- Methods and Results storage

The Jenway 65 Series are multi-capability, split-beam spectrophotometers. Their modes for Photometrics, Kinetics, Quantitation, Multi-wavelength analysis and Spectrum Scanning, with comprehensive post-measurement controls, make these very powerful stand alone instruments.

The bright back-lit display and keypad are supported by full mouse control creating a clear, fast, easy-to-use operator interface.

An 8-position motorised cell holder is included as standard, speeding up analysis, automating the creation of calibration curves and offering auto-log functions across all modes of operation.

Methods can be created and stored in the internal and removable memory, along with the results data generated.

The 65 Series is compatible with DataWay - the cross-platform PC software for Jenway instruments.

Technical Specifications

Wavelength Range:	320-1100nm (6500) 190-1100nm (6505)
Resolution/Accuracy:	0.1nm / ± 1 nm
Bandwidth	1.8nm
Transmittance Range:	0 to 199.9%T
Resolution/Accuracy:	0.1%T / ± 0.1 %T @ 10%T
Stray Light	<0.05%T @ 340 & 220nm
Absorbance Range:	-0.300 to 3.000A
Resolution/Accuracy:	0.001A / 0.005A @ 1.0A
Concentration Range:	-300 to 9999 Conc.
Resolution:	0.001 / 0.01 / 0.1 / 1
Units:	ppb, ppm, μ g/l, mg/l, M, %, blank
Factor:	0.000 to 9999.99
Lamp Changeover:	320 - 390nm
Photometric Noise:	<0.001A @ 0A%
Photometric Stability:	<0.001A/hr
Readout:	Custom Graphics LCD
Operation:	Tactile keypad and mouse
Outputs:	Analogue / RS232 Serial / Parallel
Light Source:	Tungsten Halogen / Deuterium
Input Voltage:	115/230V a.c. -20% +10%
Input Power:	200VA
Size:	520(w) x 330(d) x 185(h) mm
Weight:	15Kg

Order Codes

650 001	Model 6500 (320-1100nm) supplied with serial mouse, mouse mat, pack 100 (3.5ml) disposable cuvettes, 8-position multi cell changer, mains lead and operating manual. For use on 230V/50Hz.
650 031	Model 6500 (320-1100nm) supplied with serial mouse, mouse mat, pack 100 (3.5ml) disposable cuvettes, 8-position multi cell changer, mains lead and operating manual. For use on 110V/60Hz.
650 501	Model 6505 (190-1100nm) supplied with serial mouse, mouse mat, pack 100 (3.5ml) disposable cuvettes, 8-position multi cell changer, mains lead and operating manual. For use on 230V/50Hz.
650 531	Model 6505 (190-1100nm) supplied with serial mouse, mouse mat, pack 100 (3.5ml) disposable cuvettes, 8-position multi cell changer, mains lead and operating manual. For use on 110V/60Hz.

Accessories

Order Code	Description
050 501	DataWay PC Software (includes CD ROM, interface cable and instructions).
037 551	RS232 to USB converter for use with computers without a serial port
641 001	Internal printer (packed)
641 002	Internal printer (factory fitted)
642 001	Sipper pump (packed)
642 002	Sipper pump (factory fitted)
633 001	Heated cuvette system (cuvette holder and external control unit), supplied with interconnection cables, operating instructions and mains cables for EU, UK and USA.
643 001	(Peltier) Heated cuvette system, European, comprising heated cuvette block and external power supply module (packed)
643 002	(Peltier) Heated cuvette system, European, comprising heated cuvette block and external power supply module (factory fitted)
643 031	(Peltier) Heated cuvette system US 110V, comprising heated cuvette block and external power supply module (packed)
643 032	(Peltier) Heated cuvette system, US 110V, comprising heated cuvette block and external power supply module (factory fitted)
647 001	Temperature controlled Sipper system, 230V version (packed)
647 002	Temperature controlled Sipper system, 230V version (factory fitted)
647 031	Temperature controlled Sipper system, 110V version (packed)
647 032	Temperature controlled Sipper system, 110V version (factory fitted)
644 001	Eight-position motorised cuvette changer (packed)
644 002	Eight-position motorised cuvette changer (factory fitted)
644 003	Eight-position rack for 10mm cuvettes
644 103	Eight-position rack for 40mm cuvettes
644 203	Eight-position rack for 50mm cuvettes
645 001	Vacuum pump (packed)
645 002	Vacuum pump (factory fitted)
648 001	Water heated single cuvette holder
649 001	Eight-position water jacketed cuvette holder (for 10mm cuvettes)
037 201	Water bath and circulator for use with 648 001 and 649 001 (Ambient +5 to 50°C) 230V
037 202	Water bath and circulator for use with 648 001 and 649 001 (Ambient +5 to 50°C) 115V
630 304	Micro-cuvette holder with reduced aperture
060 422	Moulded cuvette rack for 16 10x10mm cuvettes
035 088	Visible range Calibration Standards (all models)
035 091	UV/Visible Calibration Standards (6505)
543 001	40 Column serial printer supplied with interface cable, paper roll, ribbon, and UK power adapter
543 201	40 Column serial printer supplied with interface cable, paper roll, ribbon, and Euro power adapter
543 501	40 Column serial printer supplied with interface cable, paper roll, ribbon, and US power adapter
542 009	Interface cable kit
640 133	Dust cover
	Disposable Cuvettes and Test Tubes (10mm path length unless stated)
060 084	Pack of 100 plastic cuvettes - visible wavelengths only, 2.4 to 4.5ml fill volume
060 087	Pack of 100 plastic cuvettes - visible wavelengths only 1.5 to 3.0ml fill volume
035 132	Pack of 100 plastic cuvettes - UV and visible wavelengths, 1.5 to 3.0ml fill volume
060 230	Pack of 100 plastic cuvettes - UV and visible wavelengths, 2.5 to 4.5ml fill volume
	Glass and Quartz Cuvettes (10mm path length unless stated)
035 027	Visible (glass) 10mm path length cuvette
035 086	Visible (glass) 20mm path length cuvette
035 029	Visible (glass) 40mm path length cuvette
035 087	Visible (glass) 50mm path length cuvette
035 079	Visible (glass) 100mm path length cuvette
035 123	Visible (glass) micro (500µl) cuvette
035 126	Visible (glass) semi-micro (1ml) cuvette
035 028	UV (quartz) 10mm path length cuvette
035 124	UV (quartz) ultra micro (50µl) cuvette
035 125	UV (quartz) micro (500µl) cuvette
035 127	UV (quartz) semi-micro (1ml) cuvette
035 138	UV (quartz) ultra-micro (100µl) cuvette
035 139	UV (quartz) ultra-micro (200µl) cuvette
035 249	UV (quartz) ultra-micro (20µl) cuvette
	Flow Cells (10mm path length unless stated)
035 026	Pour in/Suck out cell
035 025	Visible (glass) flow-through cell 1.8ml
035 045	Visible (glass) flow-through cell 80µl
035 044	UV (quartz) flow-through cell 1.8ml
035 047	UV (quartz) flow-through cell 80µl



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.