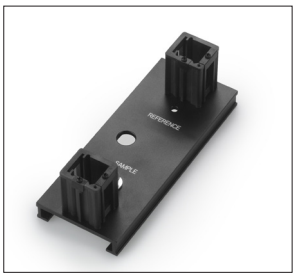
Accessories

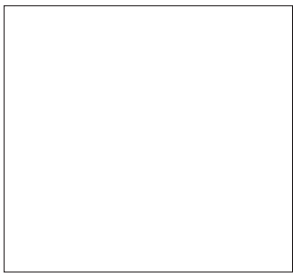
- Water heated cell holder
- Micro cell holder
- Glass filter & film holders for solid samples
- Variable path length cell holder



10x10mm cell holder

Model 6800 spectrophotometers are supplied with a single 10x10mm cell holder (x2) fitted as standard. This can be easily removed by releasing the fixing screw and replaced with a variety of other sample holder options.

Where sample temperature is critical a water heated cell holder for 10mm cuvettes (680 131) is available.
This allows absolute temperature control from ambient up to 40°C.


Water heated cell holder

For medical and biochemical applications where sample volumes are strictly limited, a micro cell holder (680 031) is available, allowing measurements of sample volumes down to 50µL.

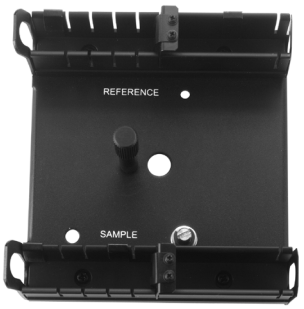
To record measurements of filters and film-like samples afilm holder (680 101) is available.

A glass filter holder (680 061) allows the measurement of solid sheet samples for thickness from 0.5mm up to 5mm.

For applications requiring additional sensitivity, longer path length cuvettes may be required. These can be accommodated in the rectangulat long path cell holder (680 111), which can accept cell lengths of 10, 20, 30, 40, 50 and 100mm.

Order Codes:

680 081	10x10mm cell holder
680 131	Water heated cell holder
680 031	Micro cell holder
680 101	Film holder supplied with 10 reusable paper film holders
680 061	Glass filter holder
680 111	Rectangular long path cell holder



Technical Specification

Technical Specification

Wavelength range	190 to 1100nm
Wavelength accuracy	±0.3nm
Wavelength reproducibility	±0.1nm
Spectral bandwidth	1.5nm
Stray Light	<0.05%
Light Sources	W + D2
Source switching range	370 to 325nm
Operating Modes	Photometrics & Multi-Wavelength, Spectrum, Kinetics, Quantitation, DNA/RNA, Protein
Validation Programme	Yes
Photometric range	-3.000 to 3.000A
Photometric accuracy	±0.002A
Photometric reproducibility	±0.001A
Baseline flatness	±0.002A
Baseline stability	±0.0003A/h
Noise level	0.0003A
Scan speed	10 to 3600nm/min
Detectors	Silicon Photodiode
Display	PC Dependent
PC Software	Jenway Flight Deck Software
Internal memory	PC Dependent
External storage media	PC Dependent
Operating system requirements	Windows 2000, XP, Vista
Minimum system requirements	CPU: 1 GHz Memory: 256 Mb Hard disk: 500 Mb
Communications	RS232
Printer interface	PC Dependent
Standard accessories	Single cell (x2)
Size	540 x 560 x 235
Weight	27kg
Power	200VA

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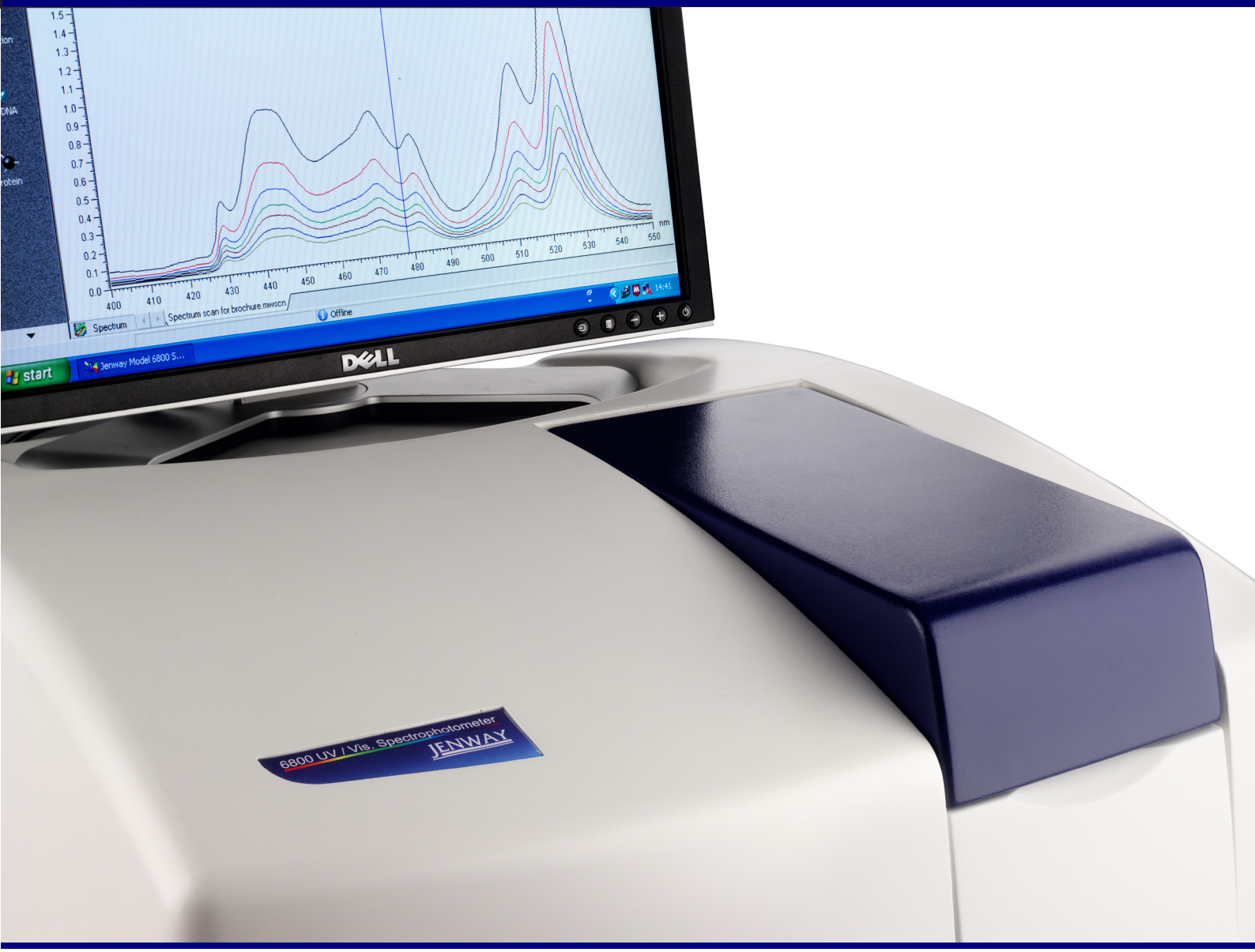
JENWAY

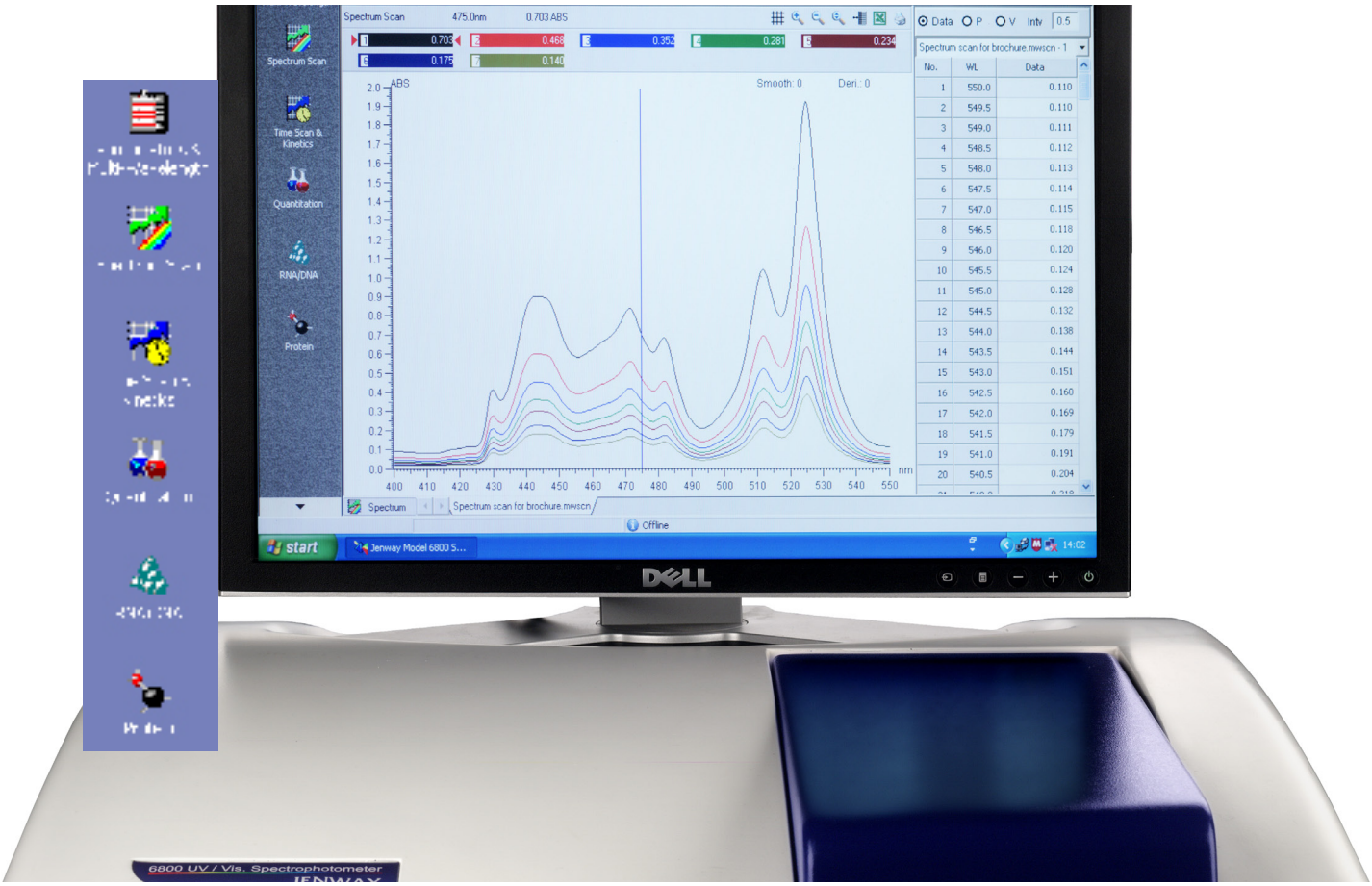
Model 6800 Double Beam Spectrophotometer



Bibby Scientific

Model 6800 Double Beam Spectrophotometer

- True double beam with highly stable optics
- 1.5nm spectral bandwidth
- Includes Jenway Flight Deck software
- A range of easy to fit accessories



The Jenway Model 6800 Spectrophotometer is built on a solid foundation of high quality, sealed optics for optimum photometric performance.

The user-friendly Jenway Flight Deck software delivers the intuitive operation you have come to expect from Jenway instruments; while the operator-focus ensures this spectrophotometer will meet the demands of your laboratory, today and into the future.

With the 6800 Jenway introduce their first true double-beam spectrophotometer. The highly stable optics and 1.5 nm spectral bandwidth gives high resolution and accuracy on every measurement.

The easy import/export of results and methods ensures that standard methods and procedures are carried out quickly and accurately, minimising the potential for user error.

Model 6800 covers the UV/visible wavelength range from 190-1100nm, with a 1.5nm spectral bandwidth using a tungsten halogen/deuterium light source.

The Jenway Flight Deck software offers modes for all common measurement modes; Photometrics & Multi-Wavelength, Spectrum Scanning, Time Scan & Kinetics, Quantitation, RNA/DNA and Protein measurements.

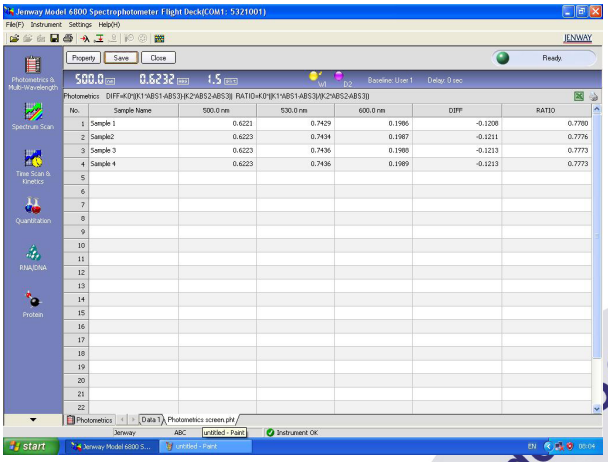
Operation of the Model 6800 is further complimented by the range of easy to fit accessories. For easy enzyme kinetic assays, when the temperature control is critical, the water circulated cell holder allows control of temperature up to 40°C. The micro cell holder allows measurement of volumes down to 50µL for medical and biochemical applications.

With extensive post measurement tools and easy export to Excel® the Model 6800 ensures that results are presented exactly to requirements.

Flight-Deck Software

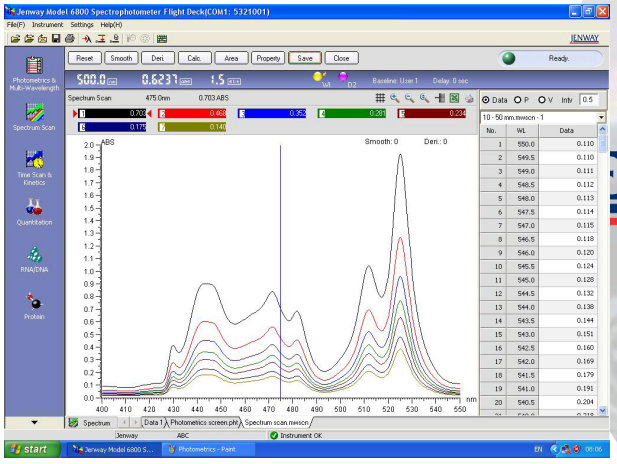
- Windows® compatible
- Intuitive & user-friendly
- All spectrophotometer functions are PC controlled
- Six measurement modes

The Jenway 6800 Flight Deck software has been designed to give access to the most comprehensive range of measurement modes whilst remaining intuitive and user-friendly.



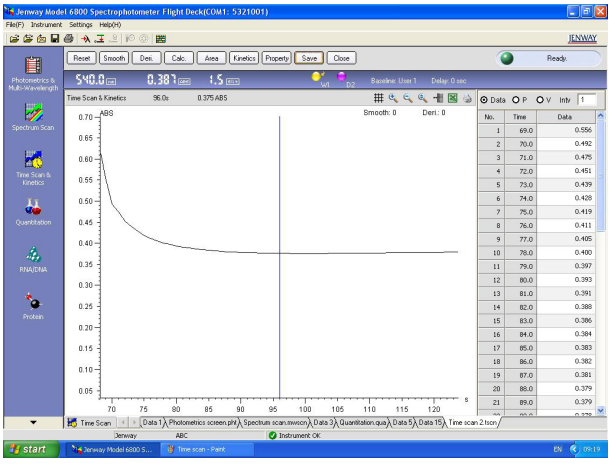
Photometrics & Multi-Wavelength

Measure the absorbance or transmittance at one to six designated wavelengths whilst the dedicated 'Ratio Mode' allows calculation of the ratio and difference of two or three selected wavelengths. An alphanumeric identity can be entered for each sample. All results are displayed in a simple tabular format for quick and easy export to Excel®, other spreadsheets or databases.



Spectrum Scanning

Scan in the range 190-1100nm with resolutions of up to 0.1nm and scan speeds up to 3600nm/sec. All data is displayed in both graphical and tabular formats with automatic peak and valley identification. Manual selection; multiple overlays, spectrum calculations and derivatives can also be displayed.

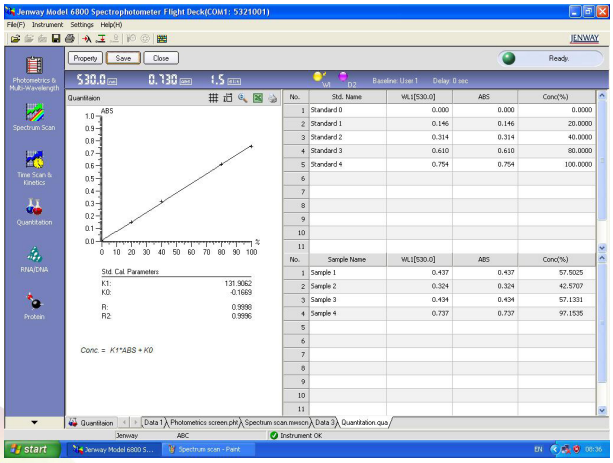


Time Scan & Kinetics

Measure the changes in absorbance or transmittance over 30 to 99999 seconds. The concentration or activity values can then be calculated from the display by the free selection of a start and end time for which a regression curve is displayed and calculations made against an adjustable K factor.

Flight-Deck Software

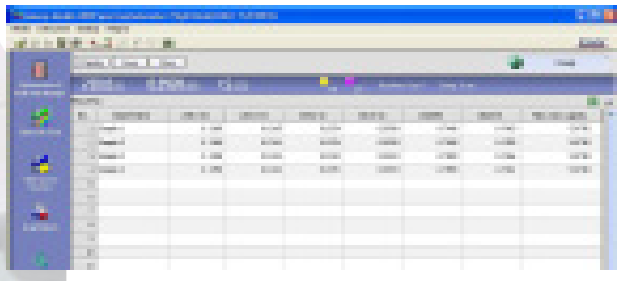
- Specific modes for DNA & Protein measurements
- Export results to Excel®
- Extensive post-scan manipulation tools
- Easy import/export of methods and results



Quantitation

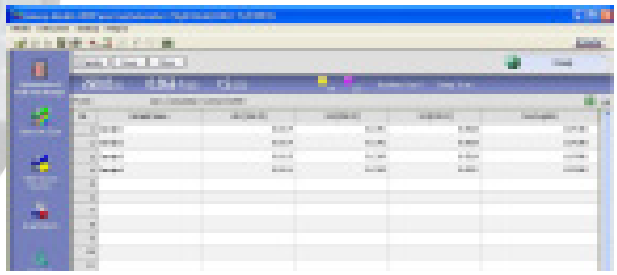
Enables the accurate measurement of sample concentrations against calibration curves (K factor, 1st to 3rd order) based on up to twenty standards and up to three wavelengths for multi-component analysis. The easy recall of saved calibration curves leads to quicker, more accurate analysis.

trophotometer



DNA/RNA

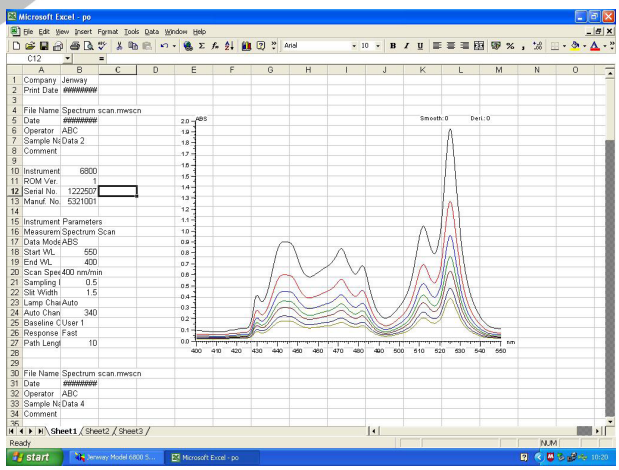
Offers standard methods for measuring DNA, RNA or oligonucleotide concentrations using the absorbance values recorded at 260 and 280nm. The micro cell holder accessory (680 031) this allows the accurate measurement of sample volumes down to 50µL.



Protein

Offers pre-set methods for measuring protein concentrations using the Bradford, Lowry, BCA and Direct UV protocols. Any of the default settings can be modified allowing specific user variations to any of these standard test protocols.

Software



Exporting to Excel®

By simply clicking the dedicated 'Export to Excel' icon the Jenway 6800 Flight Deck software automatically exports raw data and results to Excel® for further processing or saving.