



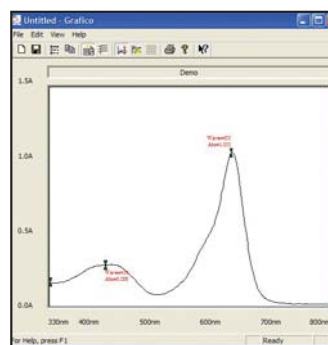
## Libra S4 Visible spectrophotometer

- Absorbance, % Transmission, Concentration and Rate
- Educational experiments and UV/Visible tutorial
- Analogue output for connection to chart recorder
- Grafico PC utility software

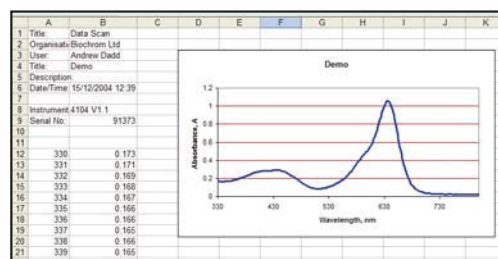
The **Libra S4** visible spectrophotometer is the ideal instrument for education and QC laboratories. The instrument is compact, lightweight and ergonomically designed for the simpler applications. There is a large display for ease of reading plus a very simple user interface for rapid set up and analysis. For educational purposes, the user manual includes simple experiments for the determination of  $\lambda$  max, extinction coefficient and natural bandwidth plus the construction of a standard curve and the measurement of stray light.

The Libra S4 measures Absorbance, % Transmission and concentration as well as being able to output absorbance-time plots directly to chart recorder. The instrument is delivered with Grafico PC utility software package and a serial lead, providing the student with the means to capture, print and interpret a wavelength scan from the instrument on a PC; the data for the scan or other results may be easily exported from Grafico to Excel. Note that Grafico also includes an educational tutorial on UV/Visible spectrophotometry.

The Libra S4 accepts standard 10mm pathlength glass or disposable cuvettes. A test tube adapter set is available for 10, 12 and 16mm. In the event of a spill, the cell holder may be removed for cleaning. The instrument is delivered with a starter pack of disposable cuvettes.



Typical scan output viewed using Grafico; note that peaks may be labelled



The same scan exported to Excel

Instrument	Part number	Lamps	Optics	Wavelength range, nm	Absorbance range, A	Bandwidth, nm
Libra S4	80-5000-00	Tungsten	Diode array	330-800	-0.3 -2.5	7