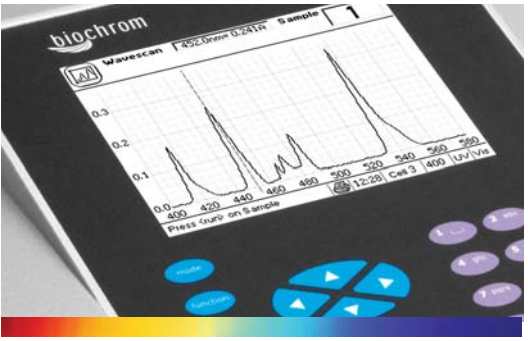
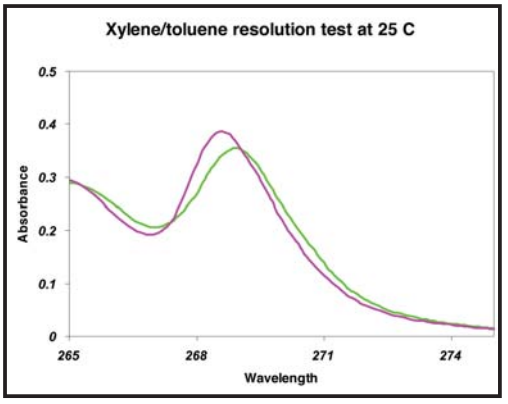


Libra S35 and Libra S35PC Pharmacopoeia compliant UV/Visible spectrophotometers

- Pharmacopoeia Compliant
- 1nm Bandwidth
- Unique Press To Read (PTR) high energy deuterium and tungsten sources
- Instrument Performance Validation (IPV) facility
- Rapid scan facility
- 8-position sample changer as standard

The **Libra S35** and **S35PC**instruments are high specification systems with a 1nm bandwidth intended for the busy multi-user laboratory in Pharmaceutical QC, Analytical and Research laboratories, whose requirements include high performance, GLP, IQ/OQ certification test plans and output to LIMS. In some cases, compliance with 21 CFR part 11 may also be needed. With press to read lamp technology, lamp life is only consumed during the measurement cycle; therefore long term running costs are minimal. The on-board self test diagnostics for instrument performance validation may be used in conjunction with the Qualification and Performance Verification Logbook (provided with the instruments) so that an ongoing record of instrument performance over time may be kept for GLP purposes.

The Libra S35 is a compact, free-standing instrument with local control. The Libra S35PC requires a PC or laptop and is supplied with Acquire software and a serial cable; when used with the optional Acquire CFR software, the system is fully Pharmacopoeia compliant.



The diagram shows the effect of bandwidth when the xylene/toluene test specified in the Pharmacopoeia is applied to different instruments. The absorbance ratio of the peak around 269nm to the trough around 266nm is 2.0 and 1.7 for the Libra S35 and S32, respectively. The value for the Libra S35 confirms that it is fully compliant with all the ratios stated in the Pharmacopoeia monographs.

Instrument	Part number	Lamps	Optics	Wavelength range, nm	Absorbance range, A	Bandwidth, nm
Libra S35	80-5000-35	Deuterium / tungsten Press to read (PTR)	Reference beam compensation (RBC)	190 – 1100 (in 0.1 nm steps)	-3.000 to + 3.000	< 1.0
Libra S35PC (includes Acquire software)	80-5000-36	Deuterium / tungsten Press to read (PTR)	Reference beam compensation (RBC)	190 – 1100 (in 0.1 nm steps)	-3.000 to + 3.000	< 1.0