

# Spectrophotometer



## Description

The 6300 and 6305 visible and UV/visible spectrophotometers are high quality, low cost units for spectrophotometric applications in schools and colleges, as well as in QC and testing procedures for a wide variety of services and industries. The 6320D is based on the 6300 visible spectrophotometer platform and includes a domed lid which accepts taller tubes up to a height of 105mm.

- Wavelength range of 320 to 1000nm (6300 and 6320D) or 198 to 1000nm (6305)
- Absorbance, %T and concentration modes
- Multi-parameter display with wavelength and photometric readouts
- Wide range of sampling accessories
- Domed lid of 6320D accepts tubes up to 105mm tall
- 6305 utilises a high quality pulsed xenon lamp

## Technical Data

- Parameter: 6305
- Wavelength range: 198 to 1000nm
- Wavelength resolution: 1nm
- Wavelength accuracy:  $\pm 2$ nm
- Spectral bandwidth: 8nm, 6nm over UV range
- Transmittance: 0 to 199.9%T
- Absorbance: -0.300 to 1.999A
- Accuracy:  $\pm 1\%$ T
- Resolution: 0.1%T, 0.001A
- Stray light:  $<0.5\%$ T at 220 and 340nm



- Stability: <0.002A/h after 30 minutes
- Concentration range: –300 to 1999
- Concentration resolution: 0.1 to 1
- Units: ppm, mg/l, g/l, M, %, blank
- Factor: 0 to 199.9, 1000 to 9999
- Light source: Xenon lamp
- Outputs: Analogue and RS232
- Power:
- Size (w x d x h): 365 x 272 x 160mm
- Weight: 6kg



## Products Covered

- Flame photometer
- Flourimeter