



5107

UV-visible Spectrophotometer (PG Instruments, T60)

DESCRIPTION

Compact split beam UV-visible spectrophotometer for absorbance and transmittance measurements in solution. It works at a fixed wavelength, performs spectral scans and follows reaction kinetics.

MAIN FEATURES

- Optical system: split beam, 1200 lines/mm holographic grating
- Spectral range: 190-1100 nm (T60U version); 325-1100 nm (T60V version)
- Spectral bandwidth: fixed, 2 nm
- Wavelength: accuracy ± 1 nm; reproducibility ≤ 0.2 nm; stray light 0.05 %T
- Photometric range: -0.3 to 3.0 A; accuracy 0.002 A (0-0.5 A) and 0.004 A (0.5-1 A)
- Cell holder: motorized 8-position or universal 5-position
- UVWin software: photometric, quantitative, spectral scan, kinetics and DNA/protein
- Power supply: 95-240 V AC

MAIN APPLICATIONS

- Quantification of species in solution by means of calibration curves
- Kinetic monitoring of liquid phase reactions
- Determination of metals in impregnation solutions and leaching liquors
- Adsorption and dye degradation tests in catalysis and photocatalysis
- Determination of enzyme activity and protein concentration

ASSOCIATED TECHNOLOGY AND CAPABILITIES

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