

UV-2200

DOUBLE BEAM UV/VIS SPECTROPHOTOMETER



FEATURES:

- Research grade double beam, double monochromator UV/VIS spectrophotometer.
- Fully PC control measurement with powerful software function and easy operation.
- Super low stray light, direct determination of high concentration sample, without the need of dilution.
- Six-step variable spectral bandwidth: 0.1nm, 0.2nm, 0.5nm, 1.0nm, 2.0nm,
- Spectrum scan can be made at any wavelength range in 190~1100nm, with the minimum sampling interval of 0.02nm.
- Rich data processing functions, such as spectrum conversion, superposition, derivation, peak-picking, curve smoothing etc.
- Multi-wavelength determination in photometric mode. User defined arithmetic to the measured data can be made and stored.
- Various methods for calibration curve establishment in quantitative measurement mode, such as single-wavelength method, double-wavelength method, triple-wavelength method, user-defined methods etc. User-defined method can be saved for the later use.
- Flexible parameter setting in kinetics measurement mode to perform time scan at a fixed wavelength, with the same data processing functions of spectrum scan.
- Built-in DNA/Protein module for direct DNA/Protein concentration measurement.
- Wide sample compartment, to accommodate cell size from 5mm to 100 mm.

SPECIFICATIONS:

- Wavelength Range: 190 ~ 1100nm
- Spectral Bandwidth: 0.1nm, 0.2nm, 0.5nm, 1nm, 2nm, 5nm variable
- Working Mode: T, A , C, E
- Wavelength Accuracy: $\pm 0.3\text{nm}$
- Wavelength Reproducibility: 0.1nm
- Photometric Accuracy: $\pm 0.3\%T$ (0~100%T)
- Photometric Reproducibility: 0.1%T
- Baseline Flatness: $\pm 0.0008\text{Abs}$
- Photometric Range: -5Abs ~ 5Abs
- Stray Light: $\leq 0.001\%T$ (220nm NaI, 360nm NaNO_2)
- Stability: 0.0002Abs/h (at 500nm, after warming up)
- Detector: high performance PMT and silicon photodiode
- Light Source: famous brand tungsten and deuterium Lamp
- Power: AC 220V/50Hz, 400W
- Dimensions: 73x53x23 cm
- Weight: 40kg



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