Micro-volume UV/Vis Spectrophotometer

UVISDrop

UVS-99 gives highly accurate full spectrum measurements with micro-samples (spectrum range: 200~850 nm). Simply pipette 1~2.5μl sample onto the pedestal, laying down the sampling arm, UVS-99 can automatically complete the measurement within 10 seconds.

Features
1. UV/Vis measurement. Wide application, including nucleic acid (DNA/ RNA), protein, the concentration of other samples and counting of cell numbers.
2. A full spectrum measurement (200~850 nm) is available. The results of two light paths can be displayed simultaneously.
3. No need to dilute high-concentration samples.
4. No cuvettes or capillaries or other positioning instruments required.
5. Buttons of "Blank" & "Measurement" on the shell, no need to use mouse.
6. The light intensity is adjustable according to the sample concentrations to obtain stable measurements.
7. Controllable by the computer software with data storage function.

Specification
- Standard path length: 1 mm
- Short path length: 0.2 mm
- (for high concentration sample)
- Sample volume: 1~2.5μl
- Light source: Xenon flash lamp
- Detector: 3072-element linear silicon CCD array detector
- Wavelength range: 200~850 nm
- Wavelength accuracy: 1 nm
- Wavelength resolution: 3 nm (FWHM at Hg 546 nm)
- Absorbance precision: 0.003 absorbance
- Absorbance accuracy: 2% (at 0.76 absorbance at 257 nm)
- Measurement range: 0.1 ~ 70 Abs.
- Measurement accuracy: 0.1 ~ 5 Abs. ±0.1
  5 ~ 75 Abs. ±2%
- Measurement cycle: 10 seconds
- Size: 214 x 147 x 95 mm
- Optical fiber: Quartz
- Voltage: 12 VDC
- Power: 6W
- Detects nucleic acid up to: 2-3700 ng/μl
- Detects protein up to: 100 mg/ml
- Weight: 1.4 kg