

SPECTROPHOTOMETER

SUITABLE FOR VARIOUS APPLICATIONS:

- ❖ Beverage
- ❖ Pharmaceutical
- ❖ Chemical Analysis
- ❖ Biotechnology
- ❖ Microbiology
- ❖ Power & Petroleum
- ❖ Agricultural
- ❖ Drinking Water/Wastewater
- ❖ Environment

FEATURES:

- ❖ Can make test of Quantitative and Kinetics with professional PC software.
- ❖ Adjust automatically 0%A and 100%T.
- ❖ 'Store 50 groups of measuring data and 10 groups of K & B value.
- ❖ Large sample chamber can accommodate 5-100mm cuvettes of all kinds.
- ❖ Automatic control of the switching of deuterium and tungsten lamp, manual wavelength setting.



MODEL: GUV2200

TECHNICAL SPECIFICATIONS:

- ❖ **Optical System:** Single Beam
- ❖ **Photometric Measurement Modes:** Transmittance, Absorbance, Concentration, (T, A, C)
- ❖ **Light Source:** Halogen Tungsten & Deuterium Lamp
- ❖ **Wavelength Range:** 190-1100nm
- ❖ **Wavelength Accuracy:** 2nm
- ❖ **Wavelength Resolution:** 0.1nm
- ❖ **Wavelength Repeatability:** 1nm
- ❖ **Wavelength Setting & Scanning:** Automatic
- ❖ **Spectral Bandwidth:** 4nm
- ❖ **Photometric Range:** +/- 3A or 0 to 200% T
- ❖ **Photometric Accuracy:** 0.5%T
- ❖ **Photometric Repeatability:** 0.2% T
- ❖ **Scanning Speed:** 560 nm/min (High, medium, low)
- ❖ **Stray Light:** 0.15%T @500nm
- ❖ **Display:** 128 * 64mm LCD
- ❖ **Diffraction Grating:** 1200 (lines/mm)
- ❖ **Monochromator Type:** Czerny Turner with Holographic Grating
- ❖ **Detector:** Silicon Photodiode
- ❖ **Focal Length:** 160 mm
- ❖ **Base Line Correction:** ±0.002A (Automatic)
- ❖ **Noise level:** 0.001 A
- ❖ **Photometric Drift / Stability:** 0.002 A@500nm
- ❖ **Interface:** USB, RS232
- ❖ **Sample Holder:** 10mm manual 4-cell holder
- ❖ **Dimension:** 520x450x320mm
- ❖ **Gross Weight:** 10Kg
- ❖ **Power Supply:** AC 220V/50Hz or AC 110V/60Hz,
- ❖ **Operating Temperature:** 5 °C to 45 °C
- ❖ **Operating Humidity (RH):** 90 (%)
- ❖ **Standard Supply:** 10mm Glass cuvette, 10mm quartz cuvette
(1 each) Power cord, User manual
- ❖ **Suitable Software for Connecting PC & Printer:** Optional



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