DRAWELL
Artist of Science

# DU-8600RN Split Beam UV/VIS Spectrophotometer

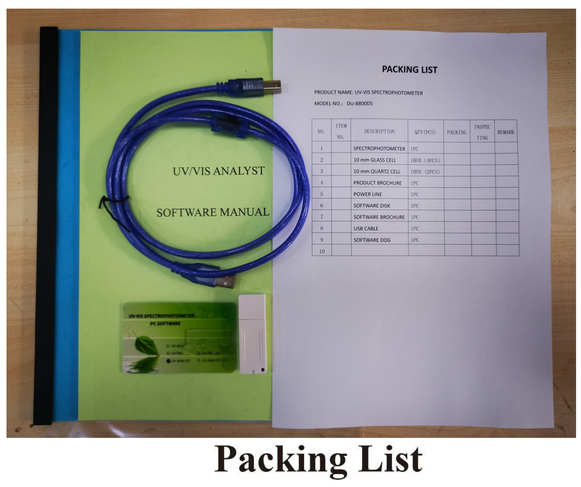
DU-8600RN spectrophotometer are advanced split beam ratio monitoring optical system. They are suitable for biochemical, pharmaceutical and clinical lab applications.

## Features:

- Split beam ensure low drift, low noise and Low stray light
- High speed MCU, high precision AD, large storage capacity
- Large LCD display (320*240 Dots)
- Data and Curve can be stored in real-time
- Online software upgrade capability
- Lamps can be turned on/off individually
- Easy to change Pri-aligned lamps
- Reinforced baseboard and bracket assures durability

## Functions:

- Photometric
- Quantitative(Standard Curve)
- WL Scan(Spectrum Scan)
- Time Scan(Kinetics)
- DNA/Protein Test
- Multi-WL Test
- System Utility



Packing List

Optional Mini Serial Printer

Standard Sample Holder

Standard Cuvettes

Optional Cuvettes

**Standard Configuration**

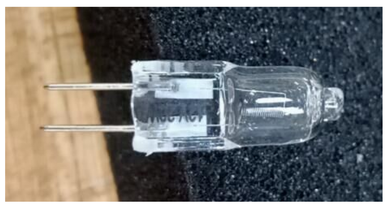
| Item | Quantity | Unit |
|---|---|---|
| SPECTROPHOTOMETER | 1 | Set |
| 10 mm GLASS CELL | 4 | pcs |
| 10 mm QUARTZ CELL | 2 | pcs |
| POWER LINE | 1 | pc |

**Optional Software**

| Item | Quantity | Unit |
|---|---|---|
| SOFTWARE Card | 1 | pc |
| SOFTWARE BROCHURE | 1 | pc |
| SOFTWARE DOG | 1 | pc |
| USB CABLE | 1 | pc |

# Specifications

| Model | DU-8600RN |
|---|---|
| Wavelength Range | 190-1100nm |
| Spectral Bandwidth | 2.0nm |
| Optical System | Split Beam Ratio Monitoring, Blazed Holographic Grating (1200 lines/mm) |
| Wavelength Accuracy | ±0.5nm |
| Wavelength Repeatability | ≤0.2nm |
| Wavelength Setting | Auto, Resolution 0.1nm |
| Photometric Range | 0~200%T, -0.3~3A, 0~9999C |
| Photometric Accuracy | ±0.002A (0~0.5A), ±0.003A (0.5~1A), ±0.3%T (0~100%T) |
| Photometric Repeatability | ≤0.001A (0~0.5A), ≤0.002A (0.5~1A), ≤0.2%T (0~100%T) |
| Stray Light | ≤0.05%T(220/360nm) |
| Scan Speed | High, Medium, Low. Max.2000nm/minute |
| Baseline Flatness | ±0.002A |
| Stability | ±0.002A/h (500nm,0A) |
| Noise | ≤0.2%T/3min (250/500nm,0%T); ≤0.5%T/3min (250/500nm,100%T) |
| Sample Compartment | Accommodate 5-100mm Pathlength Cuvette |
| Detector | Silicon Photodiode |
| Lamps | Tungsten Lamp & Deuterium Lamp (Pre-aligned) |
| Display | Graphic LCD (320*240 Dots) |
| Keypad | 30-key Alphanumeric Membrance Keypad |
| Output Port | USB Port & RS232 Port |
| Printer | Mini Serial Printer; PC Printer |
| PC Software | PC Scanning Software |
| Power Requirements | AC 90-250V，50/60Hz |
| Dimension | 545x468x245mm |
| Weight | 18kg |

| Optional Parts | | |
|---|---|---|
| Item | Price | Picture |
| Tungsten Lamp | $25 |  |
| Deuterium lamp | $180 | |
| Mini Serial Printer | $95 | |
| UV ANALYST | $189 | |