

# DU-8800D/DU-8800DS

## Double Beam UV/VIS Spectrophotometer

DU-8800D spectrophotometer are advanced double beam optical system. Double beam optical structure can inhibit the drift, Suitable for long time test. DU-8800D with 1.8nm fixed bandwidth. They are suitable for research, biochemical and pharmaceutical lab applications.

### Features:

- ◆ Double 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)
- ◆ 1.8 nm Bandwidth meet Pharmacopoeia
- ◆ 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



Standard Cuvettes



DU-8800D DU-8800DS  
Sample Holder

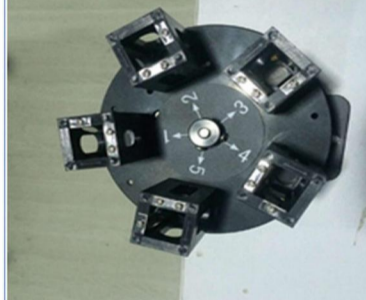
micro cuvette cell holder



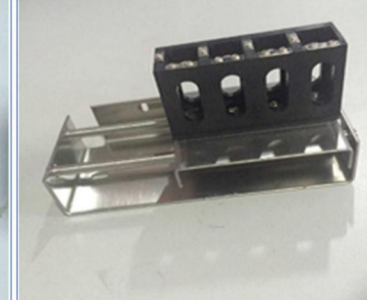
solid sample holder



5-position holder



long cell path holde



### Standard Configuration

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




### Software

|                   |   |    |
|-------------------|---|----|
| SOFTWARE Card     | 1 | pc |
| SOFTWARE BROCHURE | 1 | pc |
| SOFTWARE DOG      | 1 | pc |
| USB CABLE         | 1 | pc |

## Specifications

| Model                     | DU-8800D   | DU-8800DS                    |
|---------------------------|--|------------------------------|
| Wavelength Range          | 190-1100nm   |                              |
| Spectral Bandwidth        | 1.8nm/1.0nm optional                                       | 0.5/1/1.5/2/4/5nm adjustable |
| Optical System            | Double Beam , Blazed Holographic Grating (1200 lines/mm)   |                              |
| Wavelength Accuracy       | ±0.3nm   |                              |
| 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         | ±0.001A  |                              |
| Stability                 | ±0.001A/h (500nm,0A)                                       |                              |
| Noise                     | ≤0.2%T/3min (250/500nm,0%T); ≤0.3%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 (128x64 Dots)                                  |                              |
| Keypad                    | 30-key Alphanumeric Membrane Keypad                        |                              |
| Output Port               | USB Port & RS232 Port                                      |                              |
| Printer                   | PC Printer   |                              |
| PC Software               | PC Scanning Software                                       |                              |
| Power Requirements        | AC 90-250V, 50/60Hz  |                              |
| Dimension                 | 545x468x245mm  |                              |
| Net Weight / Gross Weight | 21kgs / 25kg   |                              |

### Optional Parts

| Item                | Price | Picture   |
|---------------------|-------|---|
| Tungsten Lamp       | \$25  |  |
| Deuterium lamp      | \$180 |  |
| Mini Serial Printer | \$95  |  |