



## Advanced Single Beam Microprocessor UV-VIS Spectrophotometer With Scanning Software

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# Darsun Scientific

## Advanced Single Beam Microprocessor UV-VIS Spectrophotometer With Scanning Software

DSB-295



### Product Features

1. Large LCD screen (128\*64) Dots
2. Can display and save 50 groups of data, 5 groups per screen
3. Data can be restored after a sudden power cut
4. Auto setting Wavelength
5. Tungsten lamp & deuterium lamp can be turned on/off individually to extend lifetime
6. Automatic WL. Calibration and dark current
7. Getting. With Scanning

| Model                     | DSB-295                            |
|---------------------------|------------------------------------|
| Optional System           | Single - Beam, Grating             |
| Wavelength Range          | 190 - 1000nm                       |
| Bandwidth                 | 2nm                                |
| Wavelength Accuracy       | ±1nm                               |
| Wavelength Repeatability  | 0.5nm                              |
| Wavelength Setting        | Auto                               |
| Photometric Accuracy      | ±0.5%T                             |
| Photometric Repeatability | 0.3%T                              |
| Photometric Range         | -0.3-3A,0-200%T                    |
| Stray Light               | <0.3%T                             |
| Stability                 | ±0.002A/h @500nm                   |
| Display                   | 128*64 Dots LCD                    |
| Detector                  | Silicon Photodiode                 |
| Standard Cell Holder      | 4-position 10-100 mm cell changer  |
| Light Source              | Tungsten & Deuterium lamp          |
| Output                    | USB port & Parallel port (printer) |
| Power Requirements        | AC 85 - 250V                       |
| Dimension                 | 420x280x180mm                      |
| Weight                    | 20kg                               |

A mode: continuously measure the absorbance of sample



C mode: standard curve method, can use at most 9 standard sample to create a new standard curve, and to measure the unknown sample by the new one



T mode: continuously measure the transmittance of sample



F mode: coefficient method, input the know K and C to measure the unknown concentration samples.



### STANDARD CONFIGURATION

|                                                 |       |
|-------------------------------------------------|-------|
| Main Set                                        | 1 No. |
| USB Cable                                       | 1 No. |
| Accessory kit. including a 4 glass cell (10 mm) | 1 No. |
| 2 Quartz Cell (10 mm)                           | 1 No. |
| Operating Manual Software Manual                | 1 No. |
| Dust Cover                                      | 1 No. |
| Software CD                                     | 1 No. |
| Power Cable                                     | 1 No  |