

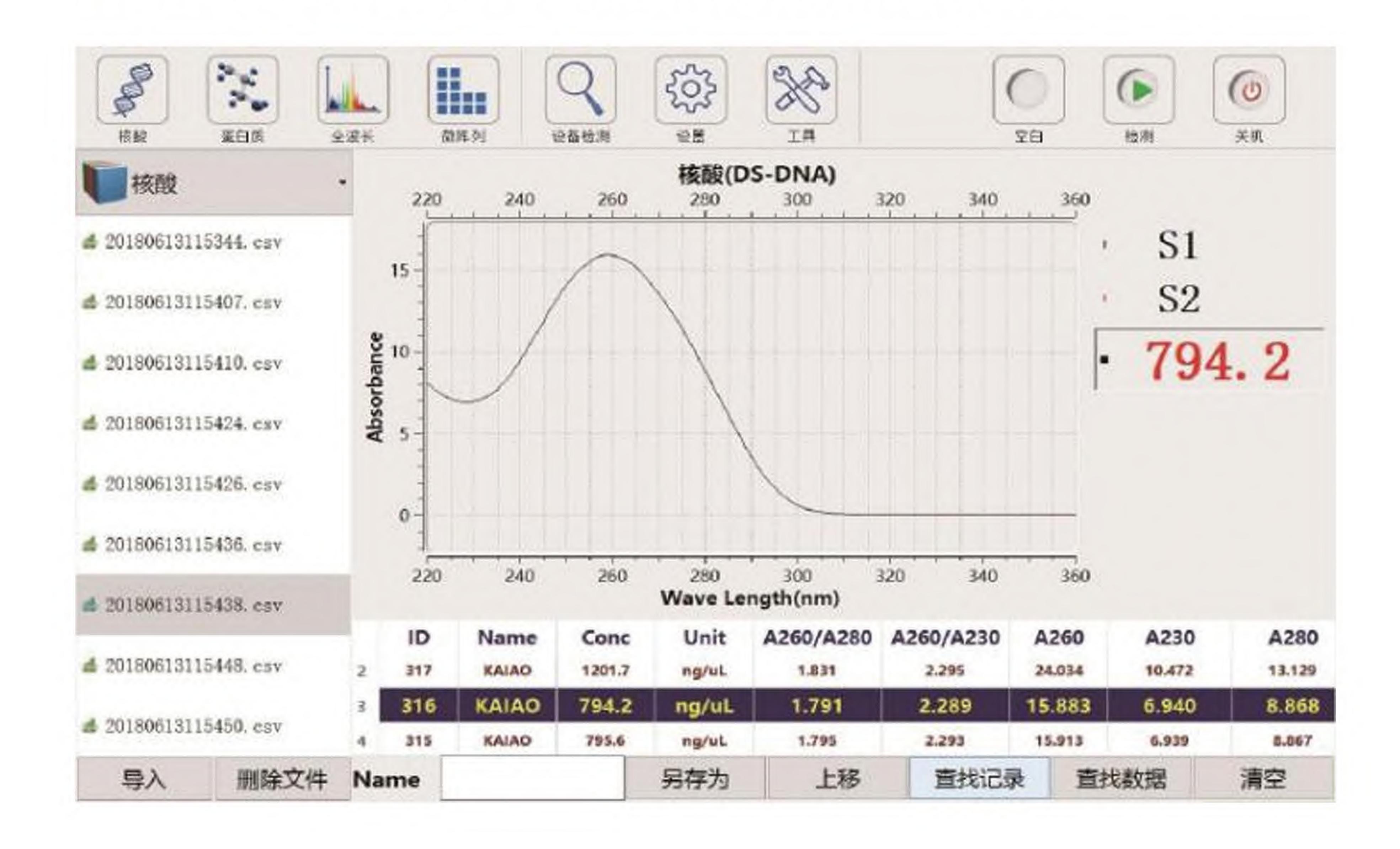
## Micro Spectrophotometer

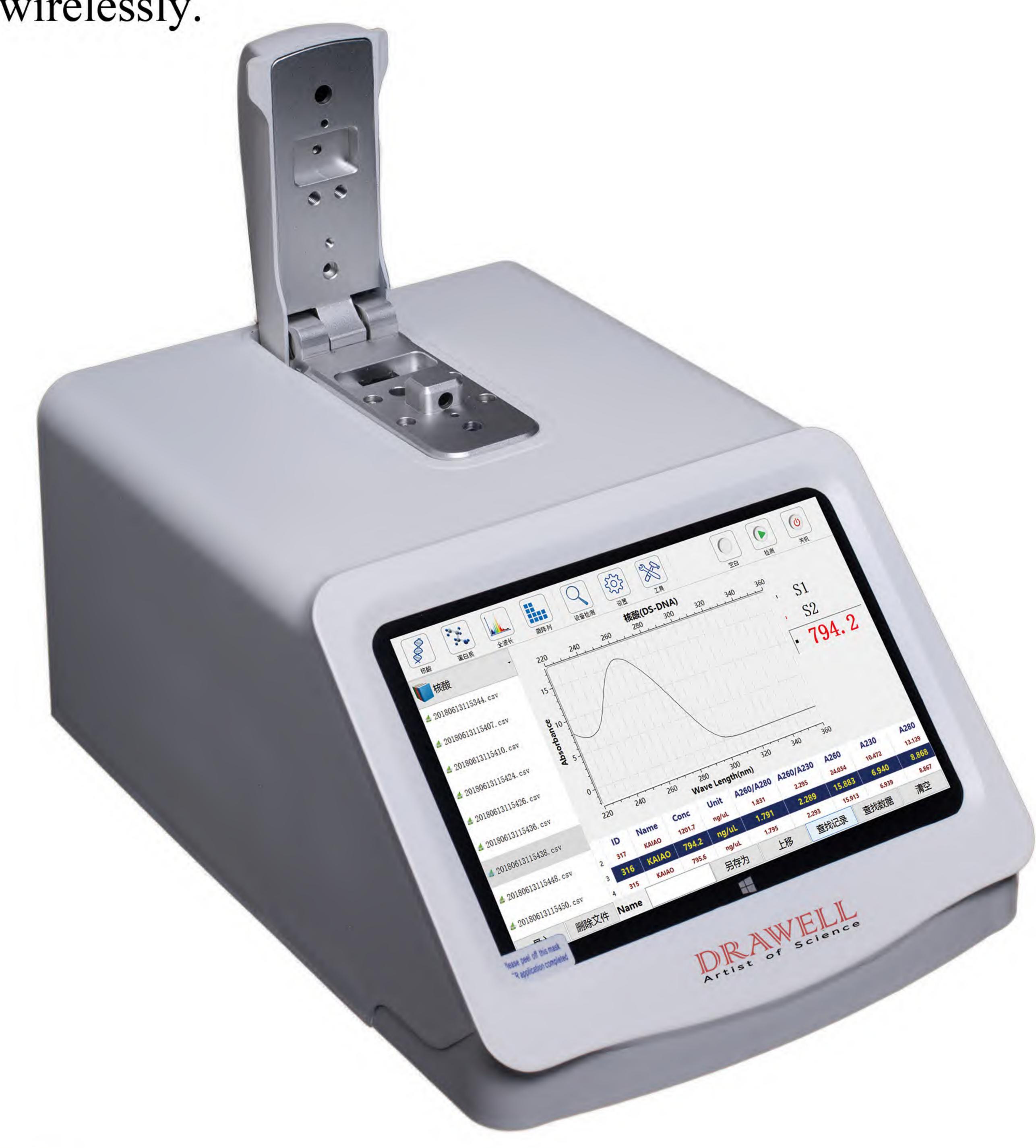
Model: K5800/K5800C

The ultra-micro spectrophotometer is a new type of full-wavelength spectrophotometer, which can detect nucleic acid, protein, bacteria, cell bacteria, microarray samples, and conventional full-wavelength scanning, etc.

## Features:

- ◆ 1.Platform material: stainless steel and quartz fiber.
- ◆ 2.No need to warm up, start testing at any time.
- ◆ 3.Built-in fiber to avoid fiber breakage caused by external force collision, resulting in chaotic measurement results
- ◆ 4.Instrument control and operation: built-in win10 system, built-in 7-inch high-definition display, full touch operation.
- ◆ 5.Data output method: Built-in ≥32GB storage space. Users can directly store measurement result data and custom methods, which can be automatically saved in spreadsheet mode. USB output or network transfer data, with electronic manual.
- 6.Data output port: 2 USB ports, which can be connected to various devices such as mouse, keyboards, desktop computers, etc.
- ♦ 7.Built-in Bluetooth, WIFI, available to remote operation and print results data wirelessly.
- ♦ 8. With a liquid column to determine abnormal function.





## Specifications

| Light source                   | Long life pulsed xenon flash lamp               |
|--------------------------------|---|
| Detector                       | 2048(CMOS) element linear silicide CCD array    |
| Wavelength range               | 190 ~ 850nm                                     |
| Wavelength accuracy            | ± 1NM   |
| Wavelength resolution          | 2nm (FWHM at Hg 546 nm)                         |
| Repeatability                  | <± 0.5nm  |
| Light path                     | 1mm, 0.05mm (optical path automatic conversion) |
| Nucleic Acid measurement range | 0.2 ~ 37500ng / μl (saDNA)                      |
| Protein measurement range      | 0.01 ~ 1120mg / ml (BSA)                        |
| Sample volume requirements     | $0.3\sim 2~\mu L$                               |
| Absorbance Accuracy            | 1% (0.76 absorbance at 350 nm)                  |
| Absorbance range               | 0.002 - 300Abs (equivalent to 10mm path length) |



| Sample measurement time                  | Less than 3s  |
|--|---|
| Sample base material                     | Stainless steel and quartz fiber                            |
| K5800C c                                 | uvette parameters   |
| Cuvette specifications (optical path)    | 1mm, 2mm, 5mm, 10mm   |
| Min sample volume of the cuvette         | 20 μl   |
| The minimum height of the cuvette sample | 5mm   |
| Cuvette Type                             | A cuvette with a traceable cuvette specification            |
| Cuvette Anechoic Chamber                 | A standard cuvette darkroom with a wide variety of cuvettes |
| Mixing system                            | Comes with mixing mixing system                             |
| Temperature control                      | 4 ~ 42 °C thermostat adjustable temperature error <± 0.5 °C |





