ZSP-100 SAB
SPECTROPHOTOMETER

Spectrophotometer

- Steady, modern and elegant appearance design
- Adopt the newest microcomputer technology and electronic control system. Optimised optical system and structure can both extend new functions and ensure the accuracy, stability and durability.
- 7 inch TFT screen and long life, more comfortable and sensitive silicone buttons or capacitive touchscreen. The instrument can show various scanning curves and charts for users to complete various test without computers.
- Support USB storage and different data formats such as Excel, txt and image (PC software). Users can output that test data to flash memory, open and edit them on computers directly without any auxiliary software.
- Advanced hardware and 32-Bit Cortex_M3 processor with the clock speed 120Mhz. The equipment can store 5000 pieces of data and 500 curves.
- High efficiency holographic grating of 12 12000 lines per mm and low stray light.
 - The equipment has long-life socket type xenon lamp which can work up to five years.
- Socket type lamp makes the replacement much easier.
- Excellent Silicon photodiode can guarantee the equipment is highly sensitive and stable
- Huge sample chamber and various accessories can meet all kinds of needs.
- Can be connected to printer directly and output test charts and data.
- Powerful PC software
- Standard RS232, USB (A) and USB (B) port

Specifications	ZSP-100 SAB
Display	7 inch TFT
Keyboard Control	Silicone Buttons
Optical System	Single Beam Holographic grating, 1200 lines/mm

Specifications	ZSP-100 SAB
Slit Width	0.5, 1, 2, 4nm
Wavelength Range	190 - 1100nm
Wavelength Accuracy	±0.3nm
Wavelength Repeatability	≤0.2nm
Photometric Accuracy	0.2%T (0-100%T), ±0.002A (0-0.5A). ±0.004A(0.5-1A)
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A (0-0.5A), 0.002A (0.5-1A)
Stray Light	≤0.03%T@220nm, 360nm
Stability	±0.002A/h@500nm
Photometric Range	0-200%T, -0.3-3.0A, 0-9999C (0-9999F)
Baseline Flatness	±0.002A (200-1000nm)
Noise	0.0003A@500nm
Working Mode	T, A, C, E
Wavelength Setting	Automatic
Scanning Speed	Low, Medium, High (up to 3000nm/min)
Detector	Solid Silicon Photodiode
Light Source	Tungsten Halogen/ Deuterium Lamp
Data Output	USB HOST, USB Drive, RS232 Serial
Processor	Cortex_M3, 120Mhz
Power Requirements	AC 110-220V 50-60Hz
Shipping Dimensions	880 × 690 × 530mm
Weight	45kg