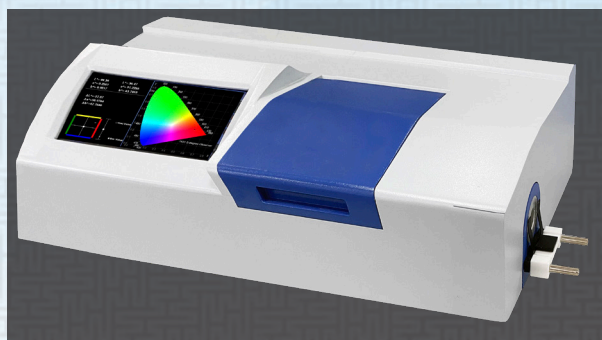


# Spectrophotometer & Colorimeter Series



## WSF-1S Spectrophotometer

### Characteristics

- Wide application range and easy-to-operate feature.
- Measure reflection color and transmission color of objects and can test chromaticity, whiteness and color difference between two objects or two kinds of liquid.
- d/8 lighting specified by CIE.
- Display reflectance and transmittance of objects or liquid within the scope of visible light wave (400nm-700nm), and generate a spectral curve on reflectance and transmittance of objects or liquid, which greatly facilitates analysis on object color.
- Widely used in such industries as textile, dye, printing, coating, paint, paper making, building materials, food, and printing.

### Specifications

Parameters/Model	WSF-1S
Illuminant	d/8
Spectrum conditions	The overall response is equivalent to tri-stimulus values X, Y, and Z calculated in corresponding functions under GB3978 standard illuminant D65, A, C and 10°, 2° view of field
Measuring window	Ø20mm
Wavelength range	400nm~700nm
Accuracy of wavelength	±2nm
Accuracy of spectrum transmittance (%)	±1.5
Repeatability	$\sigma u(Y) \leq 0.5$ , $\sigma u(x)$ , $\sigma u(y) \leq 0.003$
Instrument stability	$\Delta Y \leq 0.4$
Accuracy	$\Delta Y \leq 2$ , $\Delta x$ , $\Delta y \leq 0.02$
Palette system	Color : X, Y, Z; Y, x, y; L*, a*, b*; L, a, b; L*, u*, v*; L*, C*, H* Color difference : $\Delta E(L^*a^*b^*)$ ; $\Delta E(Lab)$ ; $\Delta E(L^*u^*v^*)$ ; $\Delta E(LCH)$ Yellowness Index : YI, $\Delta YI$ Whiteness : Gans whiteness; Blu-ray whiteness: W=B; Tabble: W=4B-3G
Operation System	Android
Interface	RS232 , U disk , TCP
Power supply	220V ±22V , 50Hz±1Hz , 70w
Overall dimension	530mm×380mm×300mm
Weight(Gross)	11kg