



YS3060 Accuracy Spectrophotometer

YS3060 is independently developed by 3nh, who has completed intellectual property rights. With full set of light sources, dual apertures (8&4mm), SCI/SCE, UV, USB/Bluetooth, it has high accuracy and large storage, very suitable for lab color analysis and transmission. Accuracy, stability, powerful functions make it in the leading position of color industry.



Con-cave Grating



USB/Bluetooth



LED/UV light



Camera Locating



Product Features

- 1.D/8 geometrical optics, conforms with CIE No.15,GB/T 3978,GB2893 GB/T 18833, ISO7724/1, ASTM E1164, DIN5033 Teil7
- 2.Combined long life LED light source, including/excluding UV
- 3.Switchable Φ 8mm and Φ 4mm 2 apertures, adapt to more samples
- 4.USB/Bluetooth 4.0, dual modes, widely useful
- 5.Support both SCI and SCE modes measurement
- 6.Camera locating function, better position
- 7.Super stain-resistant and stable white calibration plate
- 8.Large capacity storage space, over 20,000 measurement data
- 9.With full illuminants and many color indexes for color measurement
- 10.PC software has a powerful function extension



Application Industries



Automobile

Leather

Plastics

Paint

Food stuff

Laboratory

Others

Specification Parameters

Model: YS3060 Spectrophotometer	Observer Angle: 2°/10°
Optical Geometry: Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)	Measuring Time: 2.6s
Integrating Sphere Size: 48mm	Repeatability: MAV/SCI: $\Delta E^* \leq 0.03$
Light Source: Combined LED Light, UV Light	Inter-instrument Error: MAV/SCI: $\Delta E^* \leq 0.15$
Spectrophotometric Mode: Concave Grating	Measurement Mode: Single Measurement, Average Measurement
Sensor: 256 Image Element Double Array CMOS Image Sensor	Locating Method: Camera Locating
Wavelength Range: 400-700nm	Battery: Li-ion battery. 5000 measurements within 8 hours
Wavelength Interval: 10nm	Dimension: L*W*H=184*77*105mm
Semiband Width: 10nm	Weight: 600g
Measured Reflectance Range: 0-200%	Illuminant Life Span: 5 years, more than 3 million times measurements
Measuring Aperture: Dual Aperture: 10mm/8mm & 5mm/4mm	Display: 3.5-inch TFT color LCD, Capacitive Touch Screen
Specular Component: SCI&SCE	Data Port: USB, Bluetooth 4.0
Color Space: CIE Lab, XYZ, Yxy, LCh, CIE LUV, Hunter LAB	Data Storage: Standard 1000 Pcs, Sample 28000 Pcs
Color Difference Formula: ΔE^*_{ab} , ΔE^*_{uv} , ΔE^*_{94} , $\Delta E^*_{cmc}(2:1)$, $\Delta E^*_{cmc}(1:1)$, ΔE^*_{00v} , ΔE (Hunter)	Language: English, Chinese
Other Colorimetric Index: WI(ASTM E313, CIE/ISO, AATCC, Hunter), YI(ASTM D1925, ASTM 313), TI(ASTM E313, CIE/ISO), Metamerism Index MI, Staining Fastness, Color Fastness, Color Strength, Opacity, 8° Glossiness	Operating Environment: 0~40°C, 0~85%RH (no condensing), Altitude < 2000m
Illuminant: D65, A, C, D50, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12	Storage Environment: -20~50°C, 0~85%RH (no condensing)
Displayed Data: Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset	Standard Accessory: Power Adapter, Built-In Li-ion Battery, User Guide, PC Software, White and Black Calibration Cavity, Dust Cover
	Optional Accessory: Micro Printer, Powder Test Box