

Restore True Color, Enjoy Color Matching



YS3060 Accuracy Spectrophotometer

YS3060 grating spectrophotometer which with completed intellectual property rights by the manufacturer. Equipped with full illuminants, double switchable aperture (4mm & 8mm), SCI & SCE double model, UV function, USB/Bluetooth, large storage, can be widely used in laboratory analysis and transmission colors. It is a powerful handheld spectrophotometer that can be applied in many fields.



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 $\Phi 8\text{mm}$ and $\Phi 4\text{mm}$ 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

Optical Geometry: Reflect: $di:8^\circ$, $de:8^\circ$ (diffused illumination, 8-degree viewing angle)

Integrating Sphere Size: 48mm

Light Source: Combined LED Light, UV Light

Spectrophotometric Mode: Concave Grating

Sensor: 256 Image Element Double Array CMOS Image Sensor

Wavelength Range: 400-700nm

Wavelength Interval: 10nm

Semiband Width: 10nm

Measured Reflectance Range: 0-200%

Measuring Aperture: Dual Aperture: 10mm/8mm & 5mm/4mm

Specular Component: SCI&SCE
 ΔE^*_{ab} , ΔE^*_{uv} , ΔE^*_{94} , $\Delta E^*_{cmc}(2:1)$, $\Delta E^*_{cmc}(1:1)$, ΔE^*_{00v} , ΔE (Hunter)

Color Space: CIE Lab, XYZ, Yxy, LCh, CIE LUV, Hunter LAB

Color Difference Formula:

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

Illuminant: D65, A, C, D50, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12

Displayed Data: Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset

Observer Angle: $2^\circ/10^\circ$

Measuring Time: 2.6s

Repeatability: MAV/SCI: $\Delta E^* \leq 0.03$

Inter-instrument Error: MAV/SCI: $\Delta E^* \leq 0.15$

Measurement Mode: Single Measurement, Average Measurement

Locating Method: Camera Locating

Battery: Li-ion battery. 5000 measurements within 8 hours

Dimension: L*W*H=184*77*105mm

Weight: 600g

Illuminant Life Span: 5 years, more than 3 million times measurements

Display: 3.5-inch TFT color LCD, Capacitive Touch Screen

Data Port: USB, Bluetooth 4.0

Data Storage: Standard 1000 Pcs, Sample 28000 Pcs

Language: English, Chinese

Operating Environment: $0 \sim 40^\circ\text{C}$, $0 \sim 85\% \text{RH}$ (no condensing), Altitude $< 2000\text{m}$

Storage Environment: $-20 \sim 50^\circ\text{C}$, $0 \sim 85\% \text{RH}$ (no condensing)

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