Restore True Color, Enjoy Color Matching

YS3010 ECONOMIC SPECTROPHOTOMETER

Ys3010 grating spectrophotometer which with completed intellectual property rights by the manufacturer. It is a cost-effective spectrophotometer features with 8mm aperture, shows accuracy and stable data, large storage which can meet most of customer's requirements about the color measurement and quality control. Also equipped with high-end color management software which can connected with computer for more functions
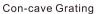
Con-cave Grating   USB interface   LED light   Camera Locating

ISO 9001 Certified   CE   SCM   TÜV   RoHS   FC

Product Features

1. Beautiful appearance, perfect combination design ;
2. D/8 geometrical optics, conforms with CIE No.15,GB/T 3978,GB2893, GB/T 18833, ISO7724/1, ASTM E1164, DIN5033 Teil7;
3. Accurate lab reflectance for color matching and transmission;
4. Concave grating structure, 3.5 inch TFT LCD touch screen ;
5. Use long life and low power consumption combined LED light source;
6. Single 8mm aperture, support both SCI "and" SCE ;
7. Many color spaces are widely used in many application;
8. Large capacity storage space, over 20,000 measurement data;
9. Camera Locating Function, better position;
10. PC software has a powerful function extension.

Application Industries

| Automobile | Leather | Plastics | Paint | Food stuff | Laboratory | Others |

Specification Parameters

Model: YS 3010 Grating Spectrophotometer

Optical Geometry: Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)

Integrating Sphere Size: 48mm

Light Source: Combined LED 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: Single Aperture: 8mm/10mm

Specular Component: SCI&SCE

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

Color Difference Formula: ΔE^*ab, ΔE^*uv, ΔE^*94, $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*00v, $\Delta E(Hunter)$

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°/10°

Measuring Time: 2.6s

Repeatability:MAV/SCI: $\Delta E^*\leq0.05$

Inter-instrument Error: MAV/SCI: $\Delta E^*\leq0.4$

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

Data Storage: Standard 1000 Pcs, Sample 20000 Pcs

Language: English, Chinese

Operating Environment: 0~40℃, 0~85%RH (no condensing), Altitude < 2000m

Storage Environment: -20~50℃, 0~85%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