

twilight

INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Ficha Técnica
Espectofotómetro
para medir color
3N-YS3060

www.twilight.mx

Restore True Color, Enjoy Color Matching



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, stable, 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 $\Phi 8/4\text{mm}$ aperture, 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

Foodstuff

Laboratory

Others

Specification Parameters

Model: YS3060 Spectrophotometer

Optical Geometry: Reflect: $d_i: 8^\circ$, $d_e: 8^\circ$ (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

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 , ΔE (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: $2^\circ/10^\circ$

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 < 2000m

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



INSTRUMENTOS DE MEDICIÓN INDUSTRIAL



LLÁMANOS

+52(81) 8115-1400 / +52 (81) 8173-4300

LADA Sin Costo:
01 800 087 43 75

E-mail:
ventas@twilight.mx

www.twilight.mx



/ [twilightsadecv](#)



/ [twilightsadecv](#)



/ [twilightsadecv](#)