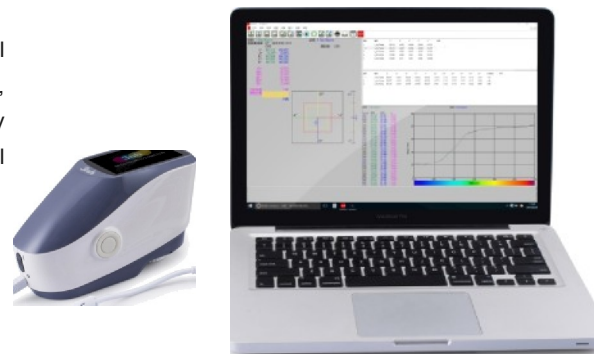


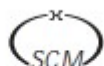


YS3060 Accuracy Spectrophotometer

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 Teil
2. Use long life and low power consumption combined LED light source
3. Switchable 8mm/4mm aperture, support both SCI and SCE at the same time;
4. Measure sample spectra, accurate Lab data, can be used in color matching and accurate color transmission;
5. High electronic hardware configuration: 3.5—inch TFT color LCD, Capacitive Touch Screen, concave grating, 256 Image Element Double Arrays CMOS Image Sensor;
6. Super stain—resistant and stable standard white calibration plate;
7. Large capacity storage space, over 20,000 measurement data;
8. Two standard observer angles, a variety of illuminant, a variety of color indexes, conforms with a variety of standard colorimetric data, meet a variety of customers' demand for color measurement;
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

<p>Model: YS3060 Spectrophotometer</p> <p>Optical Geometry: Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)</p> <p>Integrating Sphere Size: 48mm</p> <p>Light Source: Combined LED Light, UV Light</p> <p>Spectrophotometric Mode: Concave Grating</p> <p>Sensor: 256 Image Element Double Array CMOS Image Sensor</p> <p>Wavelength Range: 400-700nm</p> <p>Wavelength Interval: 10nm</p> <p>Semiband Width: 10nm</p> <p>Measured Reflectance Range: 0 200%</p> <p>Measuring Aperture: Dual Aperture: 10mm/8mm & 5mm/4mm</p> <p>Specular Component: SCI&SCE</p> <p>Color Space: CIE Lab, XYZ, Yxy, LCh, CIE LUV, Hunter LAB</p> <p>Color Difference Formula: ΔE^*ab, ΔE^*uv, ΔE^*94, $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*00v, ΔE^*(Hunter)</p> <p>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</p> <p>Illuminant: D65, A, C, D50, D55, D75, F1, F2, F3, F4, FS, F6, F7, F8, F9, F10, F11, F12, CWF, U30, TL83, TL84, U35</p> <p>Displayed Data: Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset</p> <p>Observer Angle: 2°/10°</p>	<p>Measuring Time: 1.5s</p> <p>Repeatability: Spectral reflectance: MAV/SCI, standard deviation within 0.08%(400 700nm: within 0.18%)</p> <p>Chromaticity value: MAV/MCI, within ΔE^*ab 0.03(After calibration, measure the average value of the white board 30 times each SS.)</p> <p>Inter-instrument agreement: MAV/SCI, within ΔE^*ab 0.15(Average value for 12 BCRA series II color tiles)</p> <p>Measurement mode: single measurement, average measurement(2-99 times)</p> <p>Locating Method: Camera Locating</p> <p>Battery: Li-ion battery. 5000 measurements within 8 hours</p> <p>Dimension: L*W*H=1B4*77*105mm</p> <p>Weight: 600g</p> <p>Illuminant Life Span: 5 years, more than 3 million times measurements</p> <p>Display: 3.5-inch TFT color LCD, Capacitive Touch Screen</p> <p>Interface: USB/RS-232, Bluetooth® 4.0 dual mode (compatible with 2.1)</p> <p>Data Storage: Standard 1000 Pcs, Sample 28000 Pcs</p> <p>Language: English, Chinese</p> <p>Operating Environment: 0 40°C, 0 85%RH (no condensing), Altitude < 2000m</p> <p>Storage Environment: -20-S0°C, 0-85%RH (no condensing)</p> <p>Standard Accessory: Power Adapter, Built-In Li ion Battery, User Guide, PC Software, White and Black Calibration Cavity, Dust Cover</p> <p>Optional Accessory: Micro Printer, Powder Test Box</p>
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The specifications and design may be changed without notice.