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, stability, powerful functions make it in the leading position of color industry.



Con-cave Grating | USB/Bluetooth | LED/UV light | Camera Locating

ISO 9001 Certified

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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 limage 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

Model: YS3060 Spectrophotometer
Optical Geometry: Reflect: di:8°, de:8°(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:△E*ab,△E*uv,△E*94,△E*cmc(2:1),△E*cmc(1:1),△E*00v,△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, CWF,U30, TL83, TL84, U35
Displayed Data: Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset
Observer Angle:2°/10°
Measuring Time: 1.5s
Repeatability: Spectral reflectance: MAV/SCI, standard deviation within 0.08%(400~ 700nm: within 0.18%)
Chromaticity value: MAV/SCI, within△E*ab 0.03(After calibration, measure the average value of the white board 30 times each 5S.)
Inter-instrument agreement: MAV/SCI, within△E*ab 0.15(Average value for 12 BCRA series II color tiles)
Measurement mode: single measurement, average measurement(2-99 times)
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
Interface: USB/RS-232, Bluetooth® 4.0 dual mode (compatible with 2.1)
Data Storage: Standard 1000 Pcs, Sample 28000 Pcs
Language: English, Chinese
Operating Environment:0~40°C, 0~85%RH (no condensing), Altitude < 2000m
Storage Environment: -20~50°C, 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, PowderTest Box

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