

Restore True Color, Enjoy Color Matching



YS3020 Customized Aperture Spectrophotometer

YS3020 is independently developed by 3nh, who has complete intellectual property rights. With variety of light sources, single customized aperture (8 or 4 or 1 *3 mm), USB/Bluetooth 4.0 dual modes, it has high accuracy and standard storage, very suitable for lab color analysis and transmission. It can accurately measure the SCI and SCE reflectance data of samples/fluorescent samples, and can accurately measure various color difference formulas and color indexes under multiple color spaces.





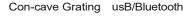












LED light

Camera Locating



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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.Single 8mm 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



Paint

Automobile

Leather

Plastics

Foodstuff

Laboratory

Others

SPECIFICATION PARAMETERS

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	Model: YS3020(Customized Aperture)	Measuring Time:1.5s
	Optical Geometry: Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)	Repeatability: Spectral reflectance: MAV/SCI, standard deviation within
	Integrating Sphere Size: 48mm	0.1%(400 700nm: within 0.2%)
	Light Source: Combined LED Light	Chromaticity value: MAV/SCI, within6E*ab 0.04(After calibration, measure
	Spectrophoometric Mode: Concave Grating	the average value of the white board 30 times each 5S.)
	Sensor: 256 Image Element Double Array CMOS Image Sensor	Inter-instrument agreement: MAV/SCI, within6E*ab 0.2(Average value for 12
	Wavelength Range: 400-700nm	BCRA series II color tiles)
	Wavelength Interval: 10nm	Measurement mode: single measurement, average measurement(2-99 times)
	Semiband Width: 10nm	Locating Method:Came ra Locating
	Measured Reflectance Range: 0-200%	Battery:Li-ion battery. 5000 measurements within 8 hours
	Customized measuring apenure: g4mm/g8mm/1x3mm	Dimension:L"W*H=184"77"105mm
	Specular Component: SCI&SCE	Weight:600g
	Color Space: CIE Lab, XYZ, Yxy, LCh, CIE LUV, Hunter LAB	Illuminant Life Span:5 years, more than 3 million times measurements
	Color Difference Formula:6E"ab,6E*uv,6E"94,6E"cmc(2:1),6E*cmc(1:1),6E"00v,BE(Hunter)	Display:3.5 inch TFT color LCD, Capacitive Touch Screen
	Other Colorimetric Index: WI(ASTM E313, CIE/ISO, AATCC, Hunter),YI(ASTM D1925, ASTM 313),	Data Port:USB/RR-232
	TI(ASTM E313, CIE/ISO),	Data Storage:Standard 1000 Pcs, Sample 20000 Pcs
	Metamerism Index MI, Staining Fastness, Color Fastness, Color Strength, Opacity, 8° Glossiness	Language:English, Chinese
	Illuminant: D65, A, C, D50, DN5, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12	Operating Environment:0 40°C, 0 85%RH (no condensing), Altitude < 2000m
	Displayed Data: Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph,	Storage Environment:-20 50°C, 0 85%RH (no condensing)
	PASS/FAIL Result, Color Offset	Standard Accessory:Power Adapter, Built-In Li-ion Battery, User Guide, PC
	Observer Angle:2°/10°	Software, White and Black Calibration Cavity, Dust Cover
		Optional Accessory:Micro Printer, Powder Test Box



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