



YS3010 ECONOMIC SPECTROPHOTOMETER

YS3010 is independently developed by 3nh, who has completed intellectual property rights. With high-effective cost and 8mm aperture, it has good accuracy and enough storage, suitable for most users' requirement. It has a PC software to connect to the computer for color control quality management to achieve more functions.



Con-cave Grating



USB interface



LED light



Camera Locating



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

Foodstuff

Laboratory

Others

Specification Parameters

Model: YS 3010 Grating Spectrophotometer	Observer Angle: 2°/10°
Optical Geometry: Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)	Measuring Time: 2.6s
Integrating Sphere Size: 48mm	Repeatability: MAV/SCI: $\Delta E^* \leq 0.05$
Light Source: Combined LED Light	Inter-instrument Error: MAV/SCI: $\Delta E^* \leq 0.4$
Spectrophotometric Mode: Concave Grating	Measurement Mode: Single Measurement, Average Measurement
Sensor: 256 Image Element Double Array CMOS Image Sensor	Locating Method: Camera Locating
Wavelength Range: 400-700nm	Battery: Li-ion battery. 5000 measurements within 8 hours
Wavelength Interval: 10nm	Dimension: L*W*H=184*77*105mm
Semiband Width: 10nm	Weight: 600g
Measured Reflectance Range: 0-200%	Illuminant Life Span: 5 years, more than 3 million times measurements
Measuring Aperture: Single Aperture: 8mm/10mm	Display: 3.5-inch TFT color LCD, Capacitive Touch Screen
Specular Component: SCI&SCE	Data Port: USB
Color Space: CIE Lab, XYZ, Yxy, LCh, CIE LUV, Hunter LAB	Data Storage: Standard 1000 Pcs, Sample 20000 Pcs
Color Difference Formula: ΔE^*_{ab} , ΔE^*_{uv} , ΔE^*_{94} , $\Delta E^*_{cmc}(2:1)$, $\Delta E^*_{cmc}(1:1)$, ΔE^*_{00v} , ΔE (Hunter)	Language: English, Chinese
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	Operating Environment: 0~40°C, 0~85%RH (no condensing), Altitude < 2000m
Illuminant: D65, A, C, D50, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12	Storage Environment: -20~50°C, 0~85%RH (no condensing)
Displayed Data: Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset	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

Shenzhen ThreeNH Technology Co., Ltd.

Address: 4/F, Building 8, Nangang Second Industry Zone, Xili, Nanshan District, Shenzhen, China.

Sales: 400-666-2522

Tel :86-755-26508999 Fax:86-755-27190609

Email:sales@3nh.com Website:www.3nh.com

3nh
Focus on Color