FLUXANAR

Restore True Color, Enjoy Color Matching

SC4000 ECONOMIC SPECTROPHOTOMETER

SC4000 is independently developed by us , 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 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, 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 Food stuff Laboratory Others

Specification Parameters

Model: SC4000 Grating Spectrophotometer
Optical Geometry: Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)
Integrating Sphere Size: 48mm
Light Source: Combined LED 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: Single Aperture: 8mm/10mm
Specular Component: SCI&SCE
Color Space: CIE Lab, XYZ, Yxy, LCh, CIE LUV, Hunter LAB
Color Difference Formula: ΔE*ab, ΔE*uv, ΔE*94, ΔE*cmc(2:1), ΔE*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°/10°
Measuring Time: 2.6s
Repeatability:MAV/SCI: ΔE*≤0.05
Inter-instrument Error: MAV/SCI: ΔE*≤0.4
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
Data Storage: Standard 1000 Pcs, Sample 20000 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, Powder Test Box