YS3060 Grating Spectrophotometer with UV SCI/SCE Bluetooth

YS30 Series grating spectrophotometer adopts bluetooth and USB dual modes for wider use, and with SCI & SCE measurement data, it is compatible with many famous brands. 8mm, 4mm or customized aperture is optional. Speical UV light makes YS3060 easy to measure sample with UV and high accuracy and extended function PC software let it be good partner for colorist and color quality contral management.

YS3060 UV Grating Spectrophotometer
Full Illuminants + UV, 8mm&4mm Apertures, SCI&SCE, Bluetooth Comm, High Precision.

YS3020 Grating Spectrophotometer
Multi-illuminants, Customizable Aperture, SCI&SCE, Bluetooth Comm, High Precision.

YS3010 Grating Spectrophotometer
4 Illuminants, 8mm Aperture, SCI&SCE, Good Precision.

Comply with CIE No.15，GB/T 3978,GB 2893,GB/T 18833,ISO7724/1,ASTM E1164,DIN5033 Teil7, YS3060 grating spectrophotometer features UV, SCI/SCE, USB / bluetooth, 8mm / 4mm switch aperture, etc. It has high accuracy 0.03 based on white calibration plate measured 30 times at 5 seconds intervals after white calibration was performed.

Features

A.Perfect combination of beautiful appearance and the human body mechanics structural design;

B.D/8 geometrical optics, conforms with CIE No.15,GB/T 3978,GB2893, GB/T 18833, ISO7724/1, ASTM E1164, DIN5033 Teil

C.Use long life and low power consumption combined LED light source, including UV/excluding UV;

D.Switchable Φ8/4mm aperture, adapt to more samples; support both SCI and SCE at the same time;

E.Measure sample spectra, accurate Lab data , can be used in color matching and accurate color transmission;

F.High electronic hardware configuration: 3.5-inch TFT color LCD,Capacitive Touch Screen, concave grating, 256 Iimage Element Double Arrays CMOS Image Sensor;

G.USB/Bluetooth 2.1, dual mode, widely useful;

H.Super stain-resistant and stable standard white calibration plate;

I.Large capacity storage space, over 20,000 measurement data;

J.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;

K.Camera Locating Function, better position;

I.PC software has a powerful function extension.

Model Items	YS3060	YS3020	YS3010
Optical Geometry	Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)		
Integrating Sphere Size	48mm		
Light Source	Combined LED Light, UV Light	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	Dual Aperture: 10mm/8mm & 5mm/4mm	Customized Aperture: 8mm/4mm/1×3mm	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		
Observer Angle	2°/10°		
Illuminant	D65, A, C, D50, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12	D65, A, C, D50, D55, D75, F2, F7, F11	D65, A, C, D50
Displayed Data	Spectrogram/Values, Samples Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset		
Measuring Time	2.6s		
Repeatability	MAV/SCI: ΔE*≤0.03	MAV/SCI: ΔE*≤0.05	MAV/SCI: ΔE*≤0.06
Inter-instrument Error	MAV/SCI: ΔE*≤0.15	MAV/SCI: ΔE*≤0.2	MAV/SCI: ΔE*≤0.4
Measurement Mode	Single Measurement, Average Measurement		
Locating Method	Camera View Finder 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, Bluetooth 4.0		USB
Data Storage	Standard 2000 Pcs, Sample 20000 Pcs		

Language	English, Chinese
Operating Environment	0~40℃, 0~85%RH (no condensing), Altitude < 2000m
Storage Environment	-20~50℃, 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
Notes: The specifications are subject to change without notice.	

Application Industry

3nh handheld spectrophotometer can easily achieve color transferring , and be used as a precision instrument for color matching system. It's widely used in plastics, electronics, painting, ink, textile and garment, printing and dyeing, printing paper, automotive, medical, cosmetics and food industries, scientific research institutes, schools and laboratories.

Paint   Pigment   Textile   Plastic   Rubber   Cosmetic   Others

Package Image

3nh

分光测色仪
SPECTROPHOTOMETER