

Technical Specification of 3nh Spectrophotometer YS3010

Parameters	YS3010
Optical Geometry	d/8° (CIE No.15, GB/T 3978, GB 2893, GB/T 18833, ISO7724-1, ASTM E1164, DIN5033 Teil7)
Measuring Aperture	8mm
SCE/SCI	SCE & SCI (SPEX & SPIN)
Illuminant	D65, A, C, D50
UV Light Source	Non
Observer Angle	2° & 10°
Color Space	CIE Lab, XYZ, Yxy, LCh, CIE LUV, Hunter LAB
Color Difference Formula	ΔE^*ab , ΔE^*uv , ΔE^*94 , $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*00v , ΔE (Hunter)
Displayed Data	Spectrogram/Values, Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset
Other Colorimetric Index	WI (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D1925, ASTM 313), TI (ASTM E313, CIE/ISO), MI (Metamerism Index), Staining Fastness, Color Fastness, Color Strength, Opacity
Light Source Device	Combined LED Light
Light Source Life	5 years, More than 1.6 million measurements
Sensor	256 Image Element Double Array CMOS Image Sensor
Spectral Method	Concave Grating
Integrating Sphere Size	48mm
Repeatability	$\Delta E^* \leq 0.05$
Inter-instrument Error	$\Delta E^* \leq 0.2$
Wavelength Range	400-700nm
Wavelength Pitch	10nm
Half Bandwidth	10nm
Reflectance Range	0~200%
Locating Method	Camera Locating
Measurement Mode	Single Measurement & Average Measurement
Storage Capacity	Standard: 1000 Pcs Sample: 20000 Pcs (One piece can include SCE&SCI)
Data Port	USB
Screen	3.5" LCD Touch Screen
Battery	Built-in Li-ion Battery, 5000 Measurements within 8 hours.
Size	184*77*105mm
Weight	600g
Language	English & Chinese
Working Environment	Temperature: 0~40 , Humidity: 0~85% (No Condensation)
Storage Environment	Temperature: -20~50 , Humidity: 0~85% (No Condensation)
Standard Accessory	Power Adapter, USB Cable, Built-in Li-ion Battery, User Guide, PC Software, White and Black Calibration Cavity, Dust Cap
Optional Accessory	Micro Printer, Powder Test Box, Universal Test Component