

NS808 Spectrophotometer

- Special for traffic signs



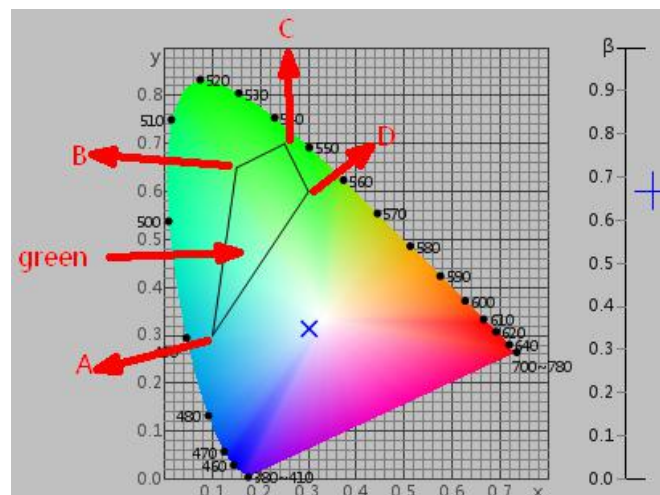
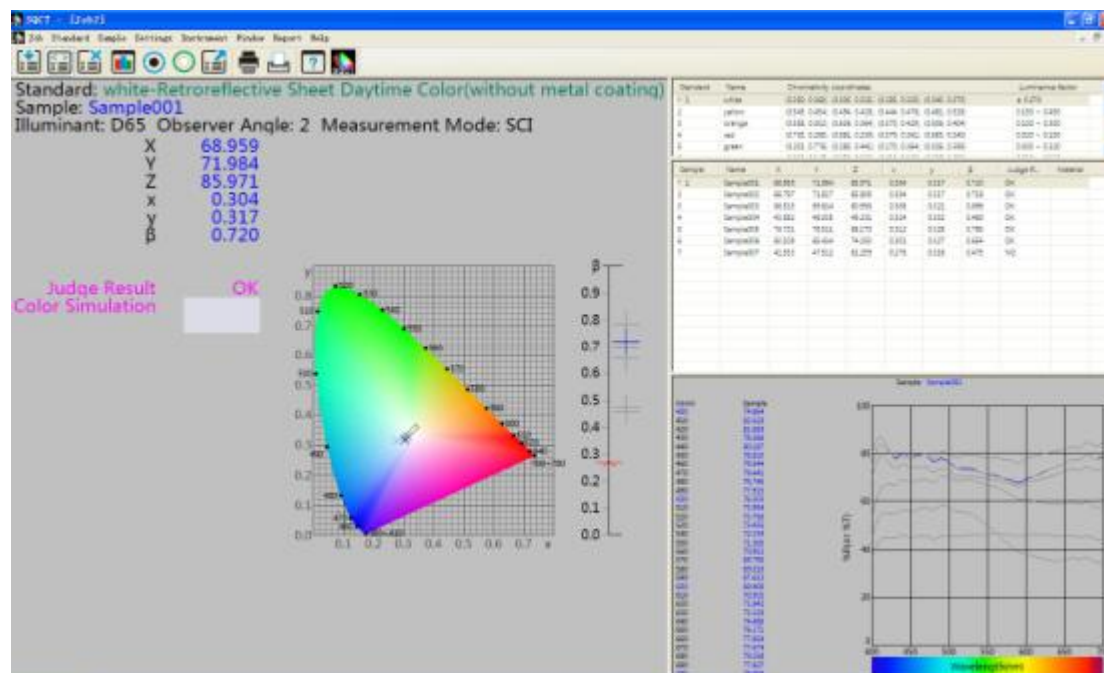
NS808 Spectrophotometer is special designed for the color measurement of traffic signs. It was researched and developed solely by 3nh independently who owns the complete independent intellectual property rights. Its leading position in the industry is earned by its powerful functions, high accuracy and reliability. NS808 can be easily used to measure the brightness factor and chromaticity coordinate of all kinds of traffic signal reflection film. Built-in GB2893 safety color and GB/T18833 all kinds of standard color module of traffic signal reflection films, we can choose one according to the requirement. In addition, we can also conveniently customize polygon tolerance they want.

At the same time, NS808 is also widely used in plastics, electronics, paintings, inks, textiles, garments, dyeing, printing, paper, automobiles, medical, cosmetics and food, etc, and other industries. It is also used in some scientific research institutes

and laboratories.

NS808 can measure multiple color indexes from many color spaces to get precise measurement like reflectance spectrum. With NS808, we not only do the study of color matching and color management, but also do color quality control. Configured with PC SQCT software, we can connect to PC and get more extension functions.

SQCT software is different from SQC8 software for NS series. It has built-in color code of GBT18833-2012 and GB 2893-2008. Customers can choose the color according to their requirement.



Features:

1. Specially designed to measure traffic signs.
2. Elegant appearance combines ergonomic design
3. 45° /0 geometry optical structure, conform to standard CIE, ISO, ASTM and DIN, incomparable accuracy.
4. 3.5" ultra-large touch-screen makes the operation interface quite friendly.
5. Two kinds of standard observer angles, multiple light sources, multiple color spaces and multiple color difference formulas, fit for all kinds of color measurement requests.
6. Repeatability ΔE^*_{ab} within 0.04, inter-instrument ΔE^*_{ab} less than 0.2, super stable and reliable performance.
7. Large capacity storage, more than 15000 data.
8. PC SQCT software with powerful extension functions.
9. High hardware configuration with a number of innovative technologies.

NS808 Spectrophotometer Specification	
Model	NS808
Illuminating/Viewing Method	45°/0 (45° ring illuminating, 0° viewing) Comply to standard CIE No. 15, GB/T3978, GB2893, GB/T18833
Integrating Sphere Size	Φ58mm
Measuring Aperture	Φ8mm
Observer	2°/10°
Repetitive Error	Spectral Reflectance: standard deviation within 0.1%(400~700nm: within 0.2%) Colorimetric Value: standard deviation $\Delta E^*_{ab} \leq 0.04$ (Measurement Conditions: white calibration plate measured 30 times at 5 seconds intervals after white calibration performed.)
Inter-Instrument Error	$\Delta E^*_{ab} \leq 0.2$ (Average value of measuring the 12 tint plates of BCRA series II)
Wavelength Range	400~700nm
Wavelength Pitch	10nm
Reflectance Range	0~200%

Light Source Type	D65, D50, A, C, D55, D75, F2, F6, F7, F8, F10, F11, F12
Light Source Device	Combined LED Light
Light Source Life	5 years, more than 1.6 million measurements
Sensor	Silicon Photoelectric Diode Array
Color Space	CIE LAB, XYZ, Yxy, LCh, CIE LUV
Color Difference Formula	ΔE^*ab , ΔE^*uv , ΔE^*94 , $\Delta E^*cmc(2:1)$, $\Delta E^*cmc(1:1)$, ΔE^*00
Display Data	Spectral Graph/Data, Sample Chromatic Value, Color Difference Value/Graph, PASS/FAIL Result, Color Offset, Color Simulation
Other Chromaticity Data	Whiteness - WI(ASTM E313, CIE/ISO,AATCC,Hunter), Yellowness-YI(ASTM D1925, ASTM 313), TI(ASTM E313, CIE/ISO), Metamerism Index (Mt) Colour Stain, Color Fastness, Color Strength, Opacity
Measuring Time	1.5s
Data Storage	1000 standards, 15000 samples
Data Port	USB&RS232
Dimension	90*77*230mm
Weight	600g
Battery	Li-ion Battery, 5000 measurements in 8 hours.
Operation Temperature	0~40°C(32~104°F)
Storage Temperature	-20~50°C(-4~122°F)
Standard Accessory	Power Adapter, Li-ion Battery, Operating Instruction, CD-ROM (containing management software), Data Line, White and Black Calibration Cavity, Protective Cover and Wrist Strap.
Optional Accessory	Universal Test Components, Micro Printer, Powder Test Box