

NS800 Spectrophotometer



features with stable performance, precise measurement and powerful functions in the leading position of the same industry.

SPECTROPHOTOMETER

INCOMPARABLE ACCURACY

Milestone

SCM ISO9001



PRODUCT FEATURES

1. Aesthetic design perfectly combined with ergonomics structure.
2. 45°/0° geometrical optics structure, comply with CIE, ISO, ASTM, DIN standard.
3. 3.5 inch large capacitive touch screen.
4. Two standard observer perspectives, multiple light sources modes, a variety of color systems.
5. The repeatability ΔE^*ab is within 0.04, the errors between each instrument is less than $0.2\Delta E^* ab$.
6. Large capacity storage, save more than 10000 data.
7. PC software with powerful extension functions.
8. High hardware configured with a number of innovative technologies.
9. Oversized integrating sphere, more effective homogenization ray of lights and precise measurement.
10. 15° oblique angle screen, in line with the human eye observation.



APPLICATION INDUSTRY

NS800 spectrophotometer is widely used in plastic, electronic, paint, ink, textile, garment, printing and dyeing, food, medical cosmetic industries, scientific research institutes, schools and laboratories. It can measure reflectance spectrum and other color index precisely. NS800 spectrophotometer not only can help to perform color matching and color management studies, but also can control product quality management accurately. The instrument is equipped with high-end color management software which can connect PC to achieve more extension functions.

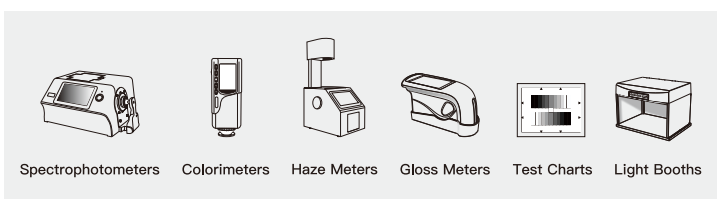


SPECIFICATION PARAMETER

Features: Complete spectrum reflectance curve, Input L, a, b value manually
Display Screen: TFT 3.5inch Capacitive Touch Screen
Illumination/observation system: 45°/0°
Standanr: CIE NO.15, GB/T 3978
Integrating sphere Size: $\Phi 58mm$
Light Source: combined LED sources
Sensor: silicon photodiode array
Wavelength range: 400~700nm
Wavelength interval: 10nm
Reflectance range: 0~100%
Color Space: CIE LAB, XYZ, Yxy, LCh, CIE LUV
Color difference Formula: $\Delta E^*ab, \Delta E^*uv, \Delta E^*94, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*cmc(l:c), CIE2000\Delta E^*00, \Delta E(h)$
Other Chromaticity Data:
 WI(ASTM E313, CIE/ISO, AATCC, Hunter), YI(ASTM D1925, ASTM 313), Metamerism Index (Mt), Color Stain, Color Fastness

Illuminant: D65, A, C, D50, D55, D75, F2, F6, F7, F8, F10, F11, F12
Measuring Aperture: $\Phi 8mm$
Observer: 2°/10°
Display Data: Spectral Value/Graph, Colorimetric Value, Color Difference Value/Graph, PASS/FAIL Result, Color Offset, Color Simulation
Repeatability: Spectral Reflectance: standard deviation within 0.1% (400~700nm: within 0.2%), Colorimetric Value: Standard deviation within ΔE^*ab 0.04
Errors between each instrument: Within ΔE^*ab 0.2
Dimension: (L*W*H) 90*77*230mm
Battery: Li-ion battery, 5000 times within 8 hours.
Lamp Life: 5 years, more than 1.6 million measurements
Storage: 1000 Standards, 10000 Samples
Optional Accessory: Universal test components for liquid, powder, particle, Micro Printer, Powder Test Box

GUANGDONG THREENH TECHNOLOGY CO., LTD.



★ CONTACT US

- web: www.3nh.com Email: 3nh@3nh.com
- Tel: 0086-020-82880288
- Add: 6-8th floors, Building B33, Low Carbon Headquarters Park, Xincheng Road No.400, Zengcheng District, Guangzhou, Guangdong Province, China