

NS810 Portable Spectrophotometer is an instrument for color measurement, color analysis and color management, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

Optical Geometry Optical Geometry Optical Geometry Onform to Standards CIE No.15, GB/T 3978, Measuring Aperture Single Aperture: 010mm/09mm Color Space CEL LAB, XYZ, Yxy, LDI, CIE LUV. Color Difference Formula AE*ab, AE*94, AE*Gmc(2:1), AE*cmc(1:1), A		
Upload Geometry Conform to Standards CEE No.15, GB/T 3978, Measuring Aperture Single Aperture: 010mm/08mm Color Space CIE LAB, XYZ, Ywy, LCh, CIE LUV. Color Difference Formula ΔE*ab, ΔE*94, ΔE*amc(2:1), ΔE*cmc(1:1), ΔE*cm	Technical Parameters	NS810 Portable Spectrophotometer
Color Space CE LAB, XYZ, Yxy, LCh, CIE LUV. Color Difference Formula ΔΕ*θb, ΔΕ*94, ΔΕ*σκι(2:1), ΔΕ*cmc(1:1), ΔΕ*cmc(1:	Optical Geometry	
AE*ab, AE*94, AE*cmc(2:1), AE*cmc(1:1), AE*cmc(1:0, AE*00, AE*uv. WI (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D192S, ASTM 313), T (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D192S, ASTM 313), T (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D192S, ASTM 313), T (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D192S, ASTM 313), T (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D192S, ASTM 313), T (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D192S, ASTM 313), T (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D192S, ASTM 313), T (ASTM E313, CIE/ISO, AATCC, Hunter), YI (ASTM D192S, ASTM 313), T (ASTM E314, CIE/ISO, ASTM E314, CIE/ISO, ASTM E314), T (ASTM E314, CIE/ISO, ASTM E314, CIE/ISO, ASTM E314), T (ASTM E314, CIE/ISO, ASTM E314), T (ASTM E314, CIE/ISO, ASTM E314, CIE/ISO, ASTM E314), T (ASTM E314, CIE/ISO, ASTM E314, CIE/ISO, ASTM E314), T (ASTM E314, CIE/ISO, ASTM E314, CIE/ISO, ASTM E314), T (ASTM E314, CIE/ISO, ASTM E314, CIE/ISO, ASTM E314, CIE/ISO, ASTM E314, T (ASTM E314, CIE/ISO, ASTM E314, CIE/ISO, ASTM E314, T (ASTM E314, CIE/ISO, A	Measuring Aperture	Single Aperture: Ø10mm/Ø8mm
Other Chromaticity Index MI (ASTM E313, CIE/ISO), MI (Metamerism Index), Standards; Color Strength, Opacity, Data Displayed	Color Space	CIE LAB, XYZ, Yxy, LCh, CIE LUV.
Other Chromaticity Index TI (ASTM E313, CIE/ISO), MI (Netamerian Index), Staining Fastheses, Color Startely, Apacity. Data Displayed Spectrogram/Data, Chromaticity Diagram/Values, Color Difference Values/Graph, Pass/Fall Result, Color Offset/Deviation Direction Repeatability ΔΕ*ab≤0.04 Inter-instrument Error ΔΕ*ab≤0.2 SCI/SCE SCI Viewing Angle 2° & 10° Illiuminating Lamps Combined LED Lamps Illiuminant Types D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30). UV Light Source Non Lamps Life-span 5 Years, more than 1.6 Million times of measurements. Integrating Sphere Size Ø58mm Wavelength Range 400nm ~ 700nm Wavelength Pitch 10nm Senis band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen <t< td=""><td>Color Difference Formula</td><td>ΔΕ*ab, ΔΕ*94, ΔΕ*cmc(2:1), ΔΕ*cmc(1:1), ΔΕ*cmc(l:c), ΔΕ*00, ΔΕ*uv.</td></t<>	Color Difference Formula	ΔΕ*ab, ΔΕ*94, ΔΕ*cmc(2:1), ΔΕ*cmc(1:1), ΔΕ*cmc(l:c), ΔΕ*00, ΔΕ*uv.
Repeatability	Other Chromaticity Index	TI (ASTM E313, CIE/ISO), MI (Metamerism Index),
Inter-instrument Error AE*abs0,2 SCI SCI Viewing Angle 2º & 10º Combined LED Lamps Combined LED Lamps D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30). UV Light Source Non Lamps Life-span 5 Years, more than 1.6 Million times of measurements. Integrating Sphere Size Ø58mm Wavelength Range 400nm ~ 700nm Wavelength Range 400nm ~ 700nm Wavelength Ritch 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs, Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3,5 inches TFT Capacitance Screen-touch Display Language Bullt-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Vorking Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Data Displayed	Spectrogram/Data, Chromaticity Diagram/Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction
SCI/SCE SCI Viewing Angle 2° & 10° Illuminating Lamps Combined LED Lamps D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30). UV Light Source Non Lamps Life-span 5 Years, more than 1.6 Million times of measurements. O58mm Wavelength Range 400nm ~ 700nm Wavelength Pitch 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs, Data Transferring Port U5B PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Bult-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Storage Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Repeatability	ΔE*ab≤0.04
Viewing Angle 2° & 10° Combined LED Lamps Combined LED Lamps D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30). UV Light Source Non Lamps Life-span 5 Years, more than 1.6 Million times of measurements. Integrating Sphere Size Ø58mm Wavelength Range 400nm ~ 700nm Wavelength Rtch 10nm Semi band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Bullt-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Inter-instrument Error	ΔE*ab≤0.2
Illuminating Lamps Combined LED Lamps D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30). UV Light Source Non Lamps Life-span 5 Years, more than 1.6 Million times of measurements. Integrating Sphere Size Ø58mm Wavelength Range 400nm ~ 700nm Wavelength Pitch 10nm Semi band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 20 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	SCI/SCE	SCI
Illuminant Types D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30). UV Light Source Non Lamps Life-span 5 Years, more than 1.6 Million times of measurements. Integrating Sphere Size Ø58mm Wavelength Range 400nm ~ 700nm Wavelength Pitch 10nm Semi band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software \$QC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory Milet and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Milet and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Milet and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Milet and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual.	Viewing Ang l e	2° & 10°
UV Light Source Non Lamps Life-span 5 Years, more than 1.6 Million times of measurements. Integrating Sphere Size Ø58mm Wavelength Range 400nm ~ 700nm Wavelength Pitch 10nm Semi band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software SQC8 (For free) 3.5 inches TFT Capacitance Screen-touch Display Language Bullt-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Illuminating Lamps	Combined LED Lamps
Lamps Life-span 5 Years, more than 1.6 Million times of measurements. Integrating Sphere Size 058mm Wavelength Range 400nm ~ 700nm Wavelength Pitch 10nm Semi band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Bullt-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Illuminant Types	D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30).
Integrating Sphere Size ### A00nm ~ 700nm ### Wavelength Range ### A00nm ~ 700nm ### A00nm ~ 70nm ### A00nm ### A00nm ~ 70nm ### A00nm ~ 70nm ### A00nm ~ 70nm ### A00nm ### A00nm ~ 70nm ### A00nm ~ 70nm ### A00nm ~ 70nm ### A00nm ### A00nm ~ 70nm ### A00nm ~ 70nm ### A00nm ~ 70nm ### A	UV Light Source	Non
Wavelength Range 400nm ~ 700nm Wavelength Pitch 10nm Semi band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Bullt-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: -2 or ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Wavelength Pitch Semi band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Integrating Sphere Size	Ø58mm
Semi band Width 10nm Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Wavelength Range	400nm ~ 700nm
Reflectance Range 0 ~ 200% Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs. Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Wavelength Pitch	10nm
Sensor Silicon Photoelectric Diode Array Measurement Time 1.5s Data Storage Capacity Standards: 1000pcs, Samples: 15000pcs, Data Transferring Port USB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Mini Thermal Printer, Universal Test Component, Powder Test Box.	Semi band Width	10nm
Measurement Time 1.5s Data Storage Capacity Data Transferring Port DISB PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Mini Thermal Printer, Universal Test Component, Powder Test Box.	Reflectance Range	0 ~ 200%
Data Storage Capacity Data Transferring Port USB PC Terminal Software Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Sensor	Silicon Photoelectric Diode Array
Data Transferring Port PC Terminal Software SQC8 (For free) Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Measurement Time	1.5s
PC Terminal Software SQC8 (For free) 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Data Storage Capacity	Standards: 1000pcs, Samples: 15000pcs.
Display Screen 3.5 inches TFT Capacitance Screen-touch Display Language Built-in English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Data Transferring Port	USB
English, Chinese. Battery Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	PC Terminal Software	SQC8 (For free)
Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours) Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Display Screen	3.5 inches TFT Capacitance Screen-touch Display
Working Environment Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation) Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Language Bui l t-in	English, Chinese.
Storage Environment Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation) Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Battery	Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Standard Accessory White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual. Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Working Environment	Temperature: $0 \sim 40^{\circ}\text{C}$; Humidity: $0 \sim 85\%$ (No Condensation)
Optional Accessory Mini Thermal Printer, Universal Test Component, Powder Test Box.	Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
	Standard Accessory	White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual.
Weight & Dimension 500g, 90*77*230mm	Optional Accessory	Mini Thermal Printer, Universal Test Component, Powder Test Box.
	Weight & Dimension	500g, 90*77*230mm



NS800 Portable Spectrophotometer is an instrument for color measurement, color analysis and color management, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

Technical Parameters	NS800 Portable Spectrophotometer
Optical Geometry	45°/0° Conform to Standards CIE No.15, GB/T 3978.
Measuring Aperture	Single Aperture: Ø10mm/Ø8mm
Color Space	CIE LAB, XYZ, Yxy, LCh, CIE LUV.
Color Difference Formula	Δ E*ab, Δ E*94, Δ E*cmc(2:1), Δ E*cmc(1:1), Δ E*cmc(I:c), Δ E*00, Δ E*uv.
Other Chromaticity 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.
Data Disp l ayed	Spectrogram/Data, Chromaticity Diagram/Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction
Repeatability	ΔE*ab≤0.04
Inter-instrument Error	ΔE*ab≤0.2
Viewing Angle	2° & 10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30).
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Wavelength Range	400nm ~ 700nm
Wavelength Pitch	10nm
Semi band Width	10nm
Reflectance Range	0 ~ 200%
Sensor	Silicon Photoelectric Diode Array
Measurement Time	1.5s
Data Storage Capacity	Standards: 1000pcs, Samples: 15000pcs.
Data Transferring Port	USB
PC Terminal Software	SQC8 (For free)
Display Screen	3,5 inches TFT Capacitance Screen-touch Display
Language Bui l t-in	English, Chinese.
Battery	Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: $0 \sim 40^{\circ}$ C; Humidity: $0 \sim 85\%$ (No Condensation)
Storage Environment	Temperature: -20° C $\sim 50^{\circ}$ C; Humidity: $0 \sim 85\%$ (No Condensation)
Standard Accessory	White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQC8, Protective Cover, Wrist Strap, User Manual.
Optional Accessory	Mini Thermal Printer, Universal Test Component, Powder Test Box.
Weight & Dimension	500g, 90*77*230mm



NS808 Portable Spectrophotometer, this is a precise instrument specially designed for the color measurement and analysis of traffic road signs, which can also be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

Technical Parameters	NS808 Portable Spectrophotometer
Optical Geometry	45°/0° Conform to Standards CIE No.15, GB/T 3978, GB 2893, GB/T 18833.
Measuring Aperture	Single Aperture: Ø8mm
Co l or Space	CIE LAB, XYZ, Yxy, LCh, CIE LUV.
Color Difference Formula	ΔΕ*ab, ΔΕ*94, ΔΕ*cmc(2:1), ΔΕ*cmc(1:1), ΔΕ*cmc(l:c), ΔΕ*00, ΔΕ(Hunter)
Other Chromaticity 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, Rectangle Chromaticity Tolerance.
Data Displayed	Spectrogram/Data, Chromaticity Diagram/Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction
Repeatability	ΔE*ab≤0.04
Inter-instrument Error	ΔE*ab≤0,2
Viewing Angle	2° & 10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30).
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Wavelength Range	400nm ~ 700nm
Wavelength Pitch	10nm
Semi band Width	10nm
Reflectance Range	0 ~ 200%
Sensor	Silicon Photoelectric Diode Array
Measurement Time	1.5s
Data Storage Capacity	Standards: 1000pcs, Samples: 15000pcs.
Data Transferring Port	USB
PC Terminal Software	SQCT (For free)
Display Screen	3.5 inches TFT Capacitance Screen-touch Display
Language Bui l t-in	English, Chinese.
Battery	Rechargeable Li-ion Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: $0 \sim 40^{\circ}\text{C}$; Humidity: $0 \sim 85\%$ (No Condensation)
Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
Standard Accessory	White and Black Calibration Board, Power Adapter, Battery, USB Cable, PC SQCT, Wrist Strap, User Manual.
Optional Accessory	Mini Thermal Printer, Universal Test Component, Powder Test Box.
Weight & Dimension	500g, 90*77*203mm



NH310 Colorimeter is a measuring instrument for color difference measurement and color quality control, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

To the Could be a second	NU240 Colories store
Technical Parameters	NH310 Colorimeter
Optica l Geometry	8°/D
Measuring Aperture	Two Apertures: Ø8mm & Ø4mm
Color Space	CIE LAB, XYZ, LCh, CIE RGB, CIE LUV,
Color Difference Formula	ΔE*Lab, ΔE*94, ΔE*LCh, ΔE*(Hunter), ΔE*cmc(2:1), ΔE*cmc(1:1), ΔE*2000, ΔE*Luv, ISO, JPC79, BFD(1.5:1), FMCII.
Other Chromaticity Index	Yellowness Index, Whiteness Index, Staining Fastness, Color Fastness
Data Displayed	Chromaticity Values, Color Difference Values, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.06
Inter-instrument Error	ΔE*ab≤0.4
SCI/SCE	SCI/SCE (SPIN/SPEX)
Viewing Ang l e	10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7(DLF), F8, F9, F10(TPL5), F11(TL84), F12(TL83/U30).
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Measurement Range	L: 0 ~ 100
Sensor	Silicon Photoelectric Diode Array
Location Method	Camera Location
Measurement Time	1.5s
Data Storage Capacity	Standards: 100pcs, Samples: 20000pcs.
Data Transferring Port	USB
PC Terminal Software	CQCS3 (For free)
Display Screen	2.8 inches TFT Color Display
Language Bui l t-in	English, Chinese.
Battery	Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: $0 \sim 40$ °C; Humidity: $0 \sim 85\%$ (No Condensation)
Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
Standard Accessory	White Calibration Board, Ø8mm&Ø4mm Aperture, Power Adapter, Battery, USB Cable, PC CQCS3, User Manual.
Optional Accessory	Mini Thermal Printer, Universal Test Component, Powder Test Box.
Weight & Dimension	500g, 205*70*100mm



NH300 Colorimeter is a measuring instrument for basic color difference measurement and color quality control, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

	NH300 Colorimeter
Optical Geometry	
· · · · · · · · · · · · · · · · · · ·	8°/D
Measuring Aperture	Single Aperture: Ø8mm.
Color Space C	CIE Lab, CIE LCh, CIE XYZ.
Color Difference Formula	ΔE*Lab, ΔE*LCh, ΔE*XYZ.
Other Chromaticity Index	Non
Data Disp l ayed (Chromaticity Values, Color Difference Values, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability 2	ΔE*ab≤0.07
Inter-instrument Error	ΔE*ab≤0.4
SCI/SCE S	SCI (SPIN)
Viewing Angle 1	10°
Illuminating Lamps (Combined LED Lamps
Illuminant Types	D65
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Measurement Range L	L: 0 ~ 100
Sensor S	Silicon Photoelectric Diode Array
Location Method	Non
Measurement Time 1	1.5s
Data Storage Capacity	Standards: 100pcs, Samples: 20000pcs.
Data Transferring Port	USB
PC Terminal Software	CQCS3 (For free)
Display Screen 2	2.8 inches TFT Color Display
Language Bui l t-in E	English, Chinese.
Battery F	Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation)
Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
Standard Accessory	White Calibration Board, Power Adapter, Battery, USB Cable, PC CQCS3, User Manual.
Optional Accessory	Mini Thermal Printer, Universal Test Component, Powder Test Box.
Weight & Dimension 5	500g, 205*70*100mm



NR200 Colorimeter is a measuring instrument for basic color difference measurement and color quality control, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

Technical Parameters	NR200 Colorimeter
Optical Geometry	8°/D
Measuring Aperture	Single Aperture: Ø8mm.
Color Space	CIE Lab, CIE LCh, CIE XYZ.
Color Difference Formula	ΔE*Lab, ΔE*LCh, ΔE*XYZ.
Other Chromaticity Index	Non
Data Disp l ayed	Chromaticity Values, Color Difference Values, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.08
Inter-instrument Error	ΔE*ab≤0.5
SCI/SCE	SCI (SPIN)
Viewing Ang l e	10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Measurement Range	L: 0 ~ 100
Sensor	Silicon Photoelectric Diode Array
Location Method	Non
Measurement Time	1.5s
Data Storage Capacity	Standards: 100pcs, Samples: 20000pcs.
Data Transferring Port	USB
PC Terminal Software	CQCS3 (For free)
Display Screen	2.8 inches TFT Color Display
Language Bui l t-in	English, Chinese.
Battery	Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: $0 \sim 40^{\circ}\text{C}$; Humidity: $0 \sim 85\%$ (No Condensation)
Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
Standard Accessory	White Calibration Board, Power Adapter, Battery, USB Cable, PC CQCS3, User Manual.
Optional Accessory	Mini Thermal Printer, Universal Test Component, Powder Test Box.
Weight & Dimension	500g, 205*70*100mm



NR60CP Colorimeter is a measuring instrument for basic color difference measurement and color quality control, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

Technical Parameters	NR60CP Colorimeter
Optical Geometry	8°/D
Measuring Aperture	Two Apertures: Ø8mm & Ø4mm
Color Space	CIE LAB, LCh, XYZ, CIE RGB, CIE LUV
Color Difference Formula	ΔΕ*Lab, ΔΕ*94, ΔΕ*LCh, ΔΕ*(Hunter), ΔΕ*cmc(2:1), ΔΕ*cmc(1:1), ΔΕ*2000, ΔΕ*Luv, ISO, JPC79, BFD(1.5:1), FMCII.
Other Chromaticity Index	Yellowness Index, Whiteness Index, Staining Fastness, Color Fastness
Data Disp l ayed	Chromaticity Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.03
Inter-instrument Error	ΔE*ab≤0.2
SCI/SCE	SCI (SPIN)
Viewing Ang l e	10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65, A, C, D50, F2(CWF), F6, F7(DLF), F8, F10(TPL5), F11(TL84), F12(TL83/U30).
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Measurement Range	L: 0 ~ 100
Sensor	Silicon Photoelectric Diode Array
Location Method	Cross Location
Measurement Time	1.5s
Data Storage Capacity	Standards: 100pcs, Samples: 20000pcs.
Data Transferring Port	USB
PC Terminal Software	CQCS3 (For free)
Display Screen	2.8 inches TFT Color Display
Language Bui l t-in	English, Chinese.
Battery	Built-in Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation)
Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
Standard Accessory	White Calibration Board, Ø8mm & Ø4mm Aperture, Power Adapter, Battery, USB Cable, PC CQCS3, User Manual.
Optional Accessory	Mini Thermal Printer, Powder Test Box.
Weight & Dimension	500g, 205*67*80mm



NR145 Colorimeter is a measuring instrument for basic color difference measurement and color quality control, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

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Technical Parameters	
Optical Geometry	45°/0°
Measuring Aperture	Single Aperture: Ø8mm
Color Space	CIE LAB, LCh, XYZ
Color Difference Formula	ΔE*Lab, ΔE*LCh, ΔE*XYZ
Other Chromaticity Index	Non
Data Displayed	Chromaticity Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.08
Inter-instrument Error	ΔE*ab≤0.5
Viewing Ang l e	10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Measurement Range	L: 0 ~ 100
Sensor	Silicon Photoelectric Diode Array
Location Method	Cross Location
Measurement Time	1.5s
Data Storage Capacity	Standards: 100pcs, Samples: 20000pcs.
Data Transferring Port	USB
PC Terminal Software	CQCS3 (For free)
Display Screen	2.8 inches TFT Color Display
Language Bui l t-in	English, Chinese.
Battery	Built-in Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: $0 \sim 40$ °C; Humidity: $0 \sim 85$ % (No Condensation)
Storage Environment	Temperature: -20° C $\sim 50^{\circ}$ C; Humidity: 0 $\sim 85\%$ (No Condensation)
Standard Accessory	White Calibration Board, Ø8mm Aperture, Power Adapter, USB Cable, PC CQCS3, User Manual.
Optional Accessory	Mini Thermal Printer, Powder Test Box.
Weight & Dimension	500g, 205*67*80mm



NR20XE Colorimeter is a measuring instrument for basic color difference measurement and color quality control, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

Technical Parameters	NR20XE Colorimeter
Optical Geometry	45°/0°
Measuring Aperture	Single Aperture: Ø20mm
Color Space	CIE LAB, LCh, XYZ
Color Difference Formula	ΔE*Lab, ΔE*LCh, ΔE*XYZ
Other Chromaticity Index	Non
Data Displayed	Chromaticity Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.08
Inter-instrument Error	ΔE*ab≤0.5
Viewing Angle	10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Measurement Range	L: 0 ~ 100
Sensor	Silicon Photoelectric Diode Array
Location Method	Cross Location
Measurement Time	1.5s
Data Storage Capacity	Standards: 100pcs, Samples: 20000pcs.
Data Transferring Port	USB
PC Terminal Software	CQCS3 (For free)
Display Screen	2.8 inches TFT Color Display
Language Bui l t-in	English, Chinese.
Battery	Built-in Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation)
Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
Standard Accessory	White Calibration Board, Ø20mm Aperture, Power Adapter, USB Cable, PC CQCS3, User Manual.
Optional Accessory	Mini Thermal Printer, Powder Test Box.
Weight & Dimension	500g, 205*67*80mm



NR110 Colorimeter is a measuring instrument for basic color difference measurement and color quality control, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

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Technical Parameters	NR110 Colorimeter
Optical Geometry	8°/D
Measuring Aperture	Single Aperture: Ø4mm
Color Space	CIE LAB, LCh, XYZ
Color Difference Formula	ΔE*Lab, ΔE*LCh, ΔE*XYZ
Other Chromaticity Index	Non
Data Disp l ayed	Chromaticity Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.08
Inter-instrument Error	ΔE*ab≤0.5
SCI/SCE	SCI (SPIN)
Viewing Ang l e	10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Measurement Range	L: 0 ~ 100
Sensor	Silicon Photoelectric Diode Array
Location Method	Cross Location
Measurement Time	1.5s
Data Storage Capacity	Standards: 100pcs, Samples: 20000pcs.
Data Transferring Port	USB
PC Terminal Software	CQCS3 (For free)
Disp l ay Screen	2.8 inches TFT Color Display
Language Bui l t-in	English, Chinese.
Battery	Built-in Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: $0 \sim 40^{\circ}\text{C}$; Humidity: $0 \sim 85\%$ (No Condensation)
Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
Standard Accessory	White Calibration Board, Power Adapter, Battery, USB Cable, PC CQCS3, User Manual.
Optional Accessory	Mini Thermal Printer, Powder Test Box.
Weight & Dimension	500g, 205*67*80mm



NR100 Colorimeter is a measuring instrument for basic color difference measurement and color quality control, which can be widely applied in many kinds of industries, such as Paint and Coating, Plastics and Metals, Printing, Packaging and Ink, Leather, Textile and Garment, Automobiles, Wood, Tiles, Porcelain and Ceramics, Furniture and Decoration, Food and Pharmaceuticals, Cosmetics, Electronics, etc.

Technical Parameters	NR100 Colorimeter
Optical Geometry	8°/D
Measuring Aperture	Two Apertures: Ø8mm & Ø4mm
Color Space	CIE Lab
Color Difference Formula	ΔE*Lab
Other Chromaticity Index	Non
Data Disp l ayed	Chromaticity Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.08
Inter-instrument Error	ΔE*ab≤0.4
SCI/SCE	SCI (SPIN)
Viewing Angle	10°
Illuminating Lamps	Combined LED Lamps
Illuminant Types	D65
UV Light Source	Non
Lamps Life-span	5 Years, more than 1.6 Million times of measurements.
Measurement Range	L: 0 ~ 100
Sensor	Silicon Photoelectric Diode Array
Location Method	Cross Location
Measurement Time	1.5s
Data Storage Capacity	Standards: 100pcs, Samples: 10000pcs.
Data Transferring Port	USB
PC Terminal Software	Non
Display Screen	2.8 inches TFT Color Display
Language Bui l t-in	English, Chinese.
Battery	Built-in Rechargeable Li-on Battery (Able to do 5000 times of measurements within 8 Hours)
Working Environment	Temperature: 0 ~ 40°C; Humidity: 0 ~ 85% (No Condensation)
Storage Environment	Temperature: -20°C ~ 50°C; Humidity: 0 ~ 85% (No Condensation)
Standard Accessory	Power Adapter, Ø8mm&Ø4mm Aperture, Wrist Strap, User Manual.
Optional Accessory	Mini Thermal Printer, Powder Test Box.
Weight & Dimension	500g, 205*67*80mm