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.

Technical Parameters	NS810 Portable Spectrophotometer
Optical Geometry	D/8° 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	ΔE*ab, ΔE*94, ΔE*cmc(2:1), ΔE*cmc(1:1), ΔE*cmc(l:c), ΔE*00, ΔE*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 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
SCI/SCE	SCI
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.
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: 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.
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	ΔE*ab, ΔE*94, ΔE*cmc(2:1), ΔE*cmc(1:1), ΔE*cmc(l:c), ΔE*00, ΔE*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 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	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.
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
Color Space	CIE LAB, XYZ, Yxy, LCh, CIE LUV.
Color Difference Formula	ΔE*ab, ΔE*94, ΔE*cmc(2:1), ΔE*cmc(1:1), ΔE*cmc(l:c), ΔE*00, ΔE(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 Built-in	English, Chinese.
Battery	Rechargeable Li-ion 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 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.

Technical Parameters	NH310 Colorimeter
Optical 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 Angle	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 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 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.

Technical Parameters	NH300 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 Displayed	Chromaticity Values, Color Difference Values, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.07
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	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 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 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

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 Displayed	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 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	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 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 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	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/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 Angle	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 Built-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.

Technical Parameters	NR145 Colorimeter
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 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 Built-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 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 Built-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.

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 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
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: 20000pcs.
Data Transferring Port	USB
PC Terminal Software	CQCS3 (For free)
Display Screen	2.8 inches TFT Color Display
Language Built-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, 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 Displayed	Chromaticity Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset/Deviation Direction.
Repeatability	ΔE*ab≤0.08
Inter-instrument Error	ΔE*ab≤0.4
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 Built-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