

NR110 Precise Colorimeter

- Double locating: Lighting locating & Cross Locating
- Double measuring head face: Large area measurement and small area measurement
- New design for integrating sphere which will ensure the stability of the measurement
- Equipped with high capacity and rechargeable lithium-ion battery

PRECISION COLORIMETER NR110

Nr110 precision colorimeter features with 8/d structure that is very precise. This cheap colorimeter is spoken highly of by many customers, and the small size 4mm measurement aperture makes it popular used in many applications, such as fabrics, paper, plastic parts, building materials.



PRODUCT FEATURES

1. Built-in white plate parameters. No need to calibrate each time which realize rapid measurement.
2. Double Locating: Illuminating locating and precise cross locating.
3. Switchable Double Measurement End Face: Large stable end face and small concave-convex end face.
4. New Integrating Sphere Optical Path Design: Eliminating the stray light of main optical path and auxiliary optical path. Possessing the highest measurement stability and precision.
5. 4mm Measuring Aperture.
6. Equipped with rechargeable high-capacity Li-ion battery. No need to purchase battery repeatedly.
7. Configure CQCS3 software. Connect PC computer to realize more functions.
8. Having got SCM Metrological Certification, CE Certification, and ISO9001 Quality Management System Certification.



APPLICATION INDUSTRY

NR110 colorimeter 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 not only can help to perform color matching and color management studies, but also can control product quality management. NR110 colorimeter is equipped with high-end color management software that can connect to PC to achieve more extension functions.



SPECIFICATION PARAMETER

Illuminating/Viewing Geometry:8/d

Measuring Aperture:Φ4mm

Detector:Silicon photoelectric diode

Locating:Illuminating Locating/Cross Locating

Measurement End Face:Large stable end-face and small concave-convex end-face

Color Space:CIEL*a*b*C*h* CIEL*a*b*CIEXYZ

Color Difference Formula: ΔE^*ab $\Delta L^*a^*b^*$ $\Delta E^*C^*h^*$

Light Source:D65

Light Source Device:LED blue light excitation

Errors Between Each Equipment: $\leq 0.80\Delta E^*ab$

Storage:100pcs standards 20000pcs samples

Repeatability:Standard deviation within ΔE^*ab 0.08
Average of 30 measurements of standard white plate

Language:English/Chinese

Weight:450g

Dimension:205×67×80 mm

Power source:Rechargeable lithium-ion battery 3.7V@3200mAh

Lamp Life:5 years, more than 1.6 million measurements

Charging Time:8 hours--100% electricity

PC Software:CQCS3 Software

Printer (optional):Miniature thermal printer