

YOUR CHIEF COLOR EXPERTS

COLOR MANAGEMENT

Color Measurement
Is So Easy



PRECISION COLORIMETER NR145

Nr145 is a precision colorimeter . NR145 colorimeter has strong functions which applied a number of differential innovative technologies. It can measure accurately in 45° illumination /0° receiving under the SCE mode. Plus, its CSCQ3 software helps perform color difference analysis, color difference cumulative analysis, chromaticity index, color sample database management, simulating object color, etc.



PRODUCT FEATURES

1. Built-in white plate parameters. No need to calibrate each time which can perform measurement quickly.
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 45°/0° Optical Path Design: Significantly improve the measurement stability and precision.
5. 8mm 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.
9. Hand-head structure: small and convenient; make the measurement easier.
10. Exquisite appearance: adopts traditional and fashionable aesthetic designs.



APPLICATION INDUSTRY

NR145 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. NR145 colorimeter is equipped with high-end color management software that can connect to PC to achieve more extension functions.



SPECIFICATION PARAMETER

Model:NR145 Precision Colorimeter

Illuminating/Viewing Geometry:45°/0°

Measuring Aperture:Φ8mm

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

Detector:Silicon photoelectric diode

Locating:Illuminating Locating/Cross Locating

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

Weight:500g

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:The first charging time is 8 hours--100% electricity

PC Software:CQCS3 Software

Printer (optional):Miniature thermal printer