

premium measuring
instruments

NR110 Precision Colorimeter



Double Locating: Illuminating locating and cross locating

Double Measurement End Face: Large area measurement and small area measurement

New Integrating Sphere Design: More stable measurement

Equipped with Rechargeable High-Capacity Li-ion Battery

Product Advantages

- a. Built-in white plate parameters. No need to calibrate each time which realize rapid measurement.
- b. Double Locating: Illuminating locating and precise cross locating.

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- c. Switchable Double Measurement End Face: Large stable end face and small concave-convex end face.
- d. New Integrating Sphere Optical Path Design: Eliminating the stray light of main optical path and auxiliary optical path. Having the advantages of the highest measurement stability and precision.
- e. 4mm Measuring Aperture.
- f. Equipped with rechargeable high-capacity Li-ion battery. No need to purchase battery repeatedly.
- g. Configure CQCS3 software. Connect PC computer to realize more functions.
- h. Having got SCM Metrological Certification, CE Certification, and ISO9001 Quality Management System Certification.
- i. Hand-head structure: small and convenient; make the measurement easier.
- j. Exquisite appearance: adopts traditional and fashionable aesthetic designs.
- k. Spending huge sums on high-end mold. Product consistency approaches 100%.
- l. High cost performance: large output, good quality, cheap products.
- m. Applicable Industries



Automobile Paints Printing Food Textile Medicine

Technical Specifications

Illuminating/Viewing Geometry	8/d
Measuring Aperture	Φ4mm

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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

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Printer (optional)

Miniature thermal printer

**Note: The specifications are subject to change without notice*