

ZL110 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



ZL Series Precision Colorimeter

Make the Measurement Easier

ISO 9001
Certified

CE

SCM

ZL110 Precision Colorimeter

Product Advantages

- a. Built-in white plate parameters. No need to calibrate each time which realizes rapid measurement.
- b. Double Locating: Illuminating locating and precise cross locating.
- c. Switchable Double Measurement End face: Large area stable end face and small area measurement for 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: suitable for more measurement circumstances.
- 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 passed 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.

Applicable Industries



Technical Specifications

Measurement End-face: Large stable end-face and small area concave-convex end face
Color Space: CIEL*a*b*C*h* CIEL*a*b*
Color Difference Formula: $\Delta E^*ab \Delta L^*a^*b^* \Delta E^*C^*h^*$
Illuminating/Viewing Geometry: 8° /d
Detector: Silicon photoelectric diode
Measuring Aperture: $\Phi 4\text{mm}$
Locating: Illuminating Locating/Cross Locating
Light Source: D65
Light Source Device: LED blue light excitation
Lamp Life: 5 years, more than 1.6 million
Dimension: 205 × 67 × 80 mm
Storage: 100pcs standards 20000pcs samples
Weight: 450g
Errors Between Each Equipment: $\leq 0.50 \Delta E^*ab$
Repeatability: Standard deviation within $\Delta E^*ab 0.08$ Average of 30 measurements of standard white plate
Power source: Rechargeable lithium-ion battery 3.7V@3200mAh
Charging Time: 2 hours(8 hours for first charge)—100% electricity
PC Software: CQCS3 Software
Printer (optional): Miniature thermal printer

Distribuito da:

Zetalab s.r.l.

Via Castelfidardo, 11 - 35141 Padova

Telefono 049 2021144 - Fax 049 2021143

Internet: www.zetalab.it - e-mail: info@zetalab.it