



**CLRM-110, Precision Colorimeter**

**Advantages:**

- Built-in white plate parameters. There is no need to calibrate each time which realizes rapid measurement.
- Double Locating: Illuminating locating and precise cross locating.
- Switch able Double Measurement End face: Large area stable end face and small area measurement for concave-convex end face.
- 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.
- 4mm Measuring Aperture: suitable for covering more measuring conditions.
- Equipped with rechargeable high-capacity Li-ion battery. No need to purchase battery repeatedly.
- Once Connect to a PC the CQCS3 will allow for extended functionality.
- The CLRM-110 passed SCM Metrological Certification, CE Certification, & ISO9001 Quality Management System Certification.
- Build in prob: small and convenient; make the measurement easier.
- Exquisite appearance: adopts traditional and fashionable esthetic designs.

**Applicable Industries**



Model	CLRM-110
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	Φ4mm
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 x 67 x 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