

Portable Spectrophotometer



Illuminating Locating, Cross Locating, Large Stable End Face, Small Concave-Convex End Face.



Since 1998, from import to domestic, Q551 precision colorimeter is an iconic milestone in color test industry.

- ☐ 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



Showing screen conforming to international standards.

Feature and Advantages

- ☐ Built-in white plate parameters. No need to calibrate each time which realize rapid measurement.
- ☐ Double Locating: Illuminating locating and precise cross locating.
- ☐ Switchable Double Measurement End Face: Large stable end face and small concave-convex end face.
- ☐ 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.
- ☐ 4mm Measuring Aperture.
- ☐ Equipped with rechargeable high-capacity Li-ion battery. No need to purchase battery repeatedly.
- ☐ Configure CQCS3 software. Connect PC computer to realize more functions.
- ☐ Having got SCM Metrological Certification, CE Certification, and ISO9001 Quality Management System Certification.
- ☐ Hand-head structure: small and convenient; make the measurement easier.
- ☐ Spending huge sums on high-end mold. Product consistency approaches 100%.
- ☐ High cost performance: large output, good quality, cheap products.

Technical Parameters	
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	CIE L*a*b*C*h* ; CIE L*a*b* ; CIE XYZ
Color Difference Formula	ΔE^*a ΔE^*b ΔE^*c ΔE^*h
Light Source	D65
Light Source Device	LED blue light excitation
Errors Between Each Equipment	$\leq 0.80 \Delta E^*a$ ΔE^*b
Storage	100pcs standards; 10000pcs samples
Repeatability	Standard deviation within ΔE^*a ΔE^*b 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	3 years, more than 1.6 million measurements
Charging Time	8 hours--100% electricity
PC Software	CQCS3 Software
Printer (optional)	Miniature thermal printer