

Portable Colorimeter 8°/d: with software

BGD 551

Product Description

BGD 551 Economic Portable Colorimeter

a simple and fast way to measure color difference between two samples. Excellent cost-performance colorimeter and very suitable for QC inspection of production and construction site.

- 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



Technical Specification

- 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.
- SCM Metrological Certification, CE Certification, and ISO9001 Quality Management System Certification.
- Handheld structure: small and convenient; makes the measurement easier.

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Main Technical Parameters

Technical Parameters	
Illuminating/Viewing Geometry	8/d
Measuring Aperture	Ø4mm
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	$\leq 0.80 \Delta E^*a b$
Storage	100 pcs standards; 10,000 pcs samples
Repeatability	Standard deviation within $\Delta E^* a b$ 0.08 (Average of 30 measurements of standard white plate)
Language	English/Chinese
Weight	450 g
Dimension	205×67×80mm
Power source	Rechargeable lithium-ion battery 3.7V@3200mAh
Lamp Life	3 years, more than 1.6 million measurements
Charging Time	fully charged within 8 hours
PC Software	CQCS3 Software

Ordering information: BGD 551

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