

Colorimeter



BCM-110



BCM-200

Features for BCM-110:

- * Built-in white plate parameters. No need to calibrate each time.
- * Double locating: illuminating locating and precise cross locating.
- * Switchable 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.
- * Equipped with rechargeable-capacity Li-ion battery.
- * Configured CQCS3 software to realize more functions by connecting PC computer.
- * Hand-head structure, small and convenient.

Features for BCM-200:

- * Leading Humanity Design and Convenient Operation, Auto White and Black Calibration at Startup, Structure Design in line with Ergonomics.
- * Stable Measurement Performance.
- * Convenient and Fast Locating.
- * PC Software -CQCS3 Software realize more function expansion.
 - a. The corresponding software serial number and password protection.
 - b. Be able to perform color difference analysis, color difference cumulative analysis, chromaticity index, color sample database management, simulating object color, etc.
- * Advanced Power Management Design.
 - a. Using high capacity Li-ion battery in colorimeter. It can be repeatedly charged.
 - b. Measuring more than 3000 times on one charge.

Technical Parameters:

Model	BCM-110	BCM-200
Illuminating/Viewing Geometry	8/d	
Measuring Aperture	Φ4mm	Φ8mm
Detector	Silicon photoelectric diode	
Color Space	CIEL*a*b*C*h* CIEL*a*b*CIEXYZ	
Color Difference Formula	ΔE^*ab ΔL^*a^*b ΔE^*C^*h	
Light Source	D65	
Light Source Device	LED blue light excitation	
Display	TFT LCD	
Errors Between Each Equipment	$\leq 0.80\Delta E^*ab$	$\leq 0.50\Delta E^*ab$
Storage	100pcs standards, 20000pcs samples	
Repeatability	Standard deviation within ΔE^*ab 0.08 Average of 30 measurements of standard white plate	Standard deviation within ΔE^*ab 0.07 Average of 30 measurements of standard white plate
Lamp Life	5 years, more than 1.6 million time	
Charging Time	8 hours-100% electricity	
Measurement Times Before Recharging	3000 times in 8 hours	
Ambient Temp./Humidity Range	-10~40°C, relative humidity 0~85% without condensation	
Data Interface	USB	
Optional Accessory	Miniature thermal printer, powder test box	Universal test components, powder test box, miniature thermal printer
Power Supply	Rechargeable li-ion battery 3.7V@3200mAh	
External Size(W*D*H)	205*67*80mm	205*70*100mm
Package Size(W*D*H)	370*320*160mm	
Net Weight	0.45kg	0.5kg
Gross Weight	4kg	