

## Colorimeter

### 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	$\Delta E^*ab$ $\Delta L^*a^*b$ $\Delta E^*C^*h$	
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	100pcs standards, 20000pcs samples
Repeatability	Standard deviation within $\Delta E^*ab$ 0.08 Average of 30 measurements of standard white plate	
Lamp Life	3 years, more than 1 million time	5 years, more than 1.6 million time
Charging Time	8 hours-100% electricity	2 hours(8 hours for first charge)-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)	450*230*380mm	
Net Weight	0.5kg	0.45kg
Volume Weight	4kg	