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.

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E-mail: export@biobase.com
www.biobase.cc / www.biobase.com

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	△E*ab △L*a*b △E*C*h	
Light Source	D65	
Light Source Device	LED blue light excitation	
Display	TFT LCD	
Errors Between Each Equipment	≤0.80ΔE*ab	≤0.50ΔE*ab
Storage	100pcs standards, 20000pcs samples	
Repeatability	Standard deviation within AE*ab 0.08 Average of 30 measurements of standard white plate	Standard deviation within AE*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	