Color Meter

Model: CM-200S

Applications

The meter is an extremely compact, extremely easy-to-use tristimulus colormeter specially designed for measuring the color difference between two colors. The meter is designed for measuring the color of no lighting and non-fluorescent sample such as textile, paper, leathers, painting materials, etc. It is the useful tool for the quality control and wide industrial application.

Features

* Color difference displayed Δ(L*, a*, b*), Δ(E*ab, C*ab, H*ab), Δ(Y, x, y), Δ(X, Y, Z), Δ(Rs, Gs, Bs) or Δ(WI, YI, Tw)
* Color space displayed (L*, a*, b*), (L*, C*ab, hab), (Y, x, y), (X, Y, Z), (Rs, Gs, Bs) or (WI, YI, Tw).
* Statistical function (Maximum, Minimum, Average and Standard Deviation)
* Color difference tolerance set to perform PASS / WARN / FAIL.
* Store 9 color-difference target colors.
* User calibration function ensures higher accuracy.
* Auto memory (99 sets) & Read function.
* Digital backlight display.
* Auto power off function.
* Applies USB, Bluetooth data output.

Specifications

Standard Accessories	Main Unit
	Measuring head
	White calibration card
	Carrying Case
	Operation Manual
Optional Accessories	USB Data Cable with Software
	Bluetooth Data Adapter with Software

Specifications

Display	Triple 4 digit LCD Display
Auto power off	Approx. 3 minutes
Data memory capacity	99 set. (Direct reading from LCD display)
Low battery indication	√
Illuminating/Viewing geometry	45°/0°: Illumination at 45°, measurement at 0°
Measuring area	Color difference: Δ(L*,a*,b*), Δ(E*ab,C*ab,H*ab), Δ(Y,x,y), Δ(X,Y,Z), Δ(Rs,Gs,Bs) or Δ(WI,YI,Tw)
	Color space: (L*, a*, b*), (L*, C*ab, hab), (Y, x, y), (X, Y, Z), (Rs, Gs, Bs) or (WI, YI, Tw)
Target color memory	9 channel; set by measurement or keypad
Measuring range	L*: 5 to 100
Measurement conditions	Observe: CIE 2° Standard Observer
Illuminant	White LED lamp
Repeatability	Standard deviation within ΔE*ab 0.5 (Measurement conditions: Average of measurements of standard white plate)
Minimum interval between measurements	Approx. 2 seconds
Operating temperature and humidity: 0~40°C(32~104°F), < 85%RH.	
Storage temperature and humidity: -10~40°C(14~104°F), < 70%RH.	
Power source	4x1.5 AAA (UM-4) Battery
Dimensions	140x73x35mm (5.5x2.9x1.4inches)
Weight	Approx. 220g with battery