

COLOR METER CM270

APPLICATION: The meter is extremely compact extremely easy -to- use tristimulus color meter specially designed for measuring the color difference between the two colors. The meter is designed for measuring the color of non-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:

- Display: Triple 4-digit LCD Digit
- Color difference displayed: (L*a*b*) (E*ab, C*ab, H*ab) (Y, x, y) (X, Y, Z) (Rs, Gs, Bs,) (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) and read function.
- Digital backlight display
- Auto power off function
- Applies USB Bluetooth data output
- Standard accessories: Main Unit, measuring head, White calibration card, Carrying case, Operational manual, USB Data Cable with Software, Bluetooth Data Adapter with Software.
- Power source: 4x1.5 AAA (UM-4) Battery
- Dimension: 140x73x35xmm (5.5x2.9x1.4 inches)
- Weight: Approx.220g with battery



SPECIFICATION:

Auto power off	Approx. 3 mins
Data memory capacity	99 set (Direct reading from LCD display)
Low battery indication	√
Illuminate/viewing geometry	45°/0°
Measuring area	Color difference $\Delta^*_{a^*b^*}$ (E*ab,C*ab,H*ab) (Y,x,y) (X,Y,Z) , (Rs, Gs, Bs) or (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 channels 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 E^*_{ab} 0.5
	(measurement conditions: average of measurement of standard white plate)
Minimum interval	Approx.2seconds
Between measurements	
Operating temperature and	Humidity:0~40°C (32~104°F) <85% RH
Storage temperature and humidity:	10~40°C(14~104°F) <70%RH