MEXTECH™
INSTRUMENTS OF TOMORROW

CE RoHS

COLOUR 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 sis designed for measuring the color of no lighting and non- fluroescent sample such as textile ,paper, leathers ,painting materials ,etc. Its is the useful tool for the quality control and wide industrial application.

Specification :

Display	Triple 4 digit LCD Digit
Auto power off	Approx 3 mins
Data memory capacity	99 set (Direct reading from LCD display)
Low battery indication	√
Illuminate/viewing	45°/0°
geometry	Illumination at 45°,measurement at 0°
Measuring area	Color difference $\triangle$ (l*,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
Power source	4x1.5 AAA (UM-4)Battery
Dimension	140x73x35xmm(5.5x2.9x1.4 inches)
Weight	Approx .220g with battery

Standard accessories	Main Unit
	Measuring head
	White calibration card
	Carrying case
	Operational manual
Optional Accessories	USB Data Cable with Software
	Bluetooth Data Adapter with Software

Features:

- 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.