

COLOR METER

PCE-CSM 7-ICA



- » **Rechargeable Lithium-Ion battery**
- » **Automatic white and black calibration**
- » **Steady performance**
- » **Degree of whiteness**
- » **Measurement of different colors**
- » **Application at many surfaces**
- » **Easy measuring steps**
- » **Yellowness and Whiteness color fastness**
- » **CIE 1976 and 1994 Delta options**
- » **3 light source options**
- » **8 mm extended aperture option for concave surfaces**

PCE-CSM 7 is a portable color meter used to measure different spectral parameters. This user-friendly, ergonomically designed color meter automatically performs a white and black calibration when powered on. Suitable for manufacturing quality control as well as product research and development, the color meter offers impressive measuring accuracy and comes manufacturer calibrated. An optional ISO calibration certificate can be acquired for an additional fee. Useful for determining color difference, chromaticity index, color sample database management, and color difference cumulative analysis. Integrated camera and illumination locating helpful for small samples.

Manufacturers depend on the quality of their products, so to achieve and observe the optical requirements, our portable color meter features the best reliability.

Specification

General technical data	
Display type	TFT colour display
Display size	2,8 Inch
Storage medium	Internal memory
Storage capacity	20000 Values
Memory capacity (additional information)	100 standards, 20000 samples
Interface	USB-B
Sensor	Silicon photodiode
Light source	LED Illuminant: D65, D50, A
Colour spaces	CIE L*a*b*C*h, CIE L*a*b*, CIE XYZ, CIE RGB, CIE L*u*v*, CIE L*C*h°, WI (whiteness), YI (yellowness)
Measuring aperture	Ø 8 mm / Ø 4 mm
Measuring geometry	8°/d
Calibration	White or black calibration selectable
Colour difference	ΔE^*ab ΔL^*ab ΔE^*C^*H ΔE_{CIE94} ΔE_{Hunter}
Menu language	English, Chinese
Power supply	3.7 V / 0.5 A
Connector type	Device-europlug
Capacity	3200 mAh
Operating conditions	0 ... 40 °C, 0 ... 85 % RH
Storage conditions	-20 ... 50 °C, 0 ... 85 % RH
Dimensions (L x W x H)	205 x 70 x 100 mm
Weight	500 g