

# COLOR METER

## PCE-CSM 1-ICA



- » CIE L\*a\*b\*C\*h, L\*a\*b\* and XYZ
- » Automatic white and black calibration
- » Determination of reference values and samples
- » Rechargeable Li-ion battery
- » Measuring of different colors
- » Suitable for many different surfaces
- » 8°/d geometry diffused illumination integrating sphere system illuminates
- » sample from 8-degree angle
- » Easy to use
- » Incl. PC software
- » 6 mm measuring aperture

The color meter PCE-CSM 1 was developed for quality control and offers a very high accuracy. When using the color meter, you can choose between different color spaces (CIE L\*a\*b\*C\*h, CIE L\*a\*b\* and CIE XYZ). After a measurement with the color meter, the reading can be used as a reference value while other readings can be recorded as a sample and later be compared to the reference value easily.

In addition to the individual color space coordinates, the deviation between the reading is also displayed. When using the color meter, it is possible to store up to 100 reference values and up to 20,000 samples on the device. The measured data can also be transferred to a PC via the USB interface. A special PC software is included in the package.

## Specification

General technical data	
Display size	2,8 Inch
Storage medium	Internal memory
Storage capacity	20000 Values
Memory capacity (additional information)	100 standards, 20000 samples
Interface	Mini-USB
Sensor	Silicon photodiode
Light source	LED Illuminant: D65
Colour spaces	CIEL*a*b*C*h, CIEL a* b*, CIEXYZ
Measuring aperture	Ø 4 mm
Measuring geometry	8°/d
Calibration	White or black calibration selectable
Colour difference	$\Delta E^*ab$ $\Delta L^*ab$ $\Delta E^*C^*H$
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	0 ... 40 °C , 0 ... 85 % RH
Dimensions ( L x W x H )	205 x 67 x 80 mm
Weight	500 g