

COLOR METER

PCE-CSM 5-ICA



- » **CIE LAB, XYZ, LCh, RGB, LUV**
- » **white calibration**
- » **determination of reference values and samples**
- » **exchangeable measuring apertures**
- » **rechargeable lithium-ion battery**
- » **suitable for many different surfaces**
- » **easy to use**
- » **incl. PC software**
- » **incl. ISO-Calibration Certificate**

The color meter PCE-CSM 5 was developed for quality control and offers a high accuracy. When using the color meter, you can choose between different color spaces (CIE LAB, XYZ, LCh, RGB, LUV). In addition, the color meter PCE-CSM 5 comes with two different measuring apertures ($\varnothing 6\text{mm}$ and $\varnothing 10\text{ mm}$). 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 type	TFT colour display
Display size	2,8 Inch
Storage medium	Internal memory
Storage capacity	20000 Values
Memory capacity (additional information)	100 reference values, 20000 samples
Interface	Mini-USB, RS232
Sensor	Silicon photodiode
Light source	D65, A, C, D50, F2, F6, F7, F8, F10, F11, F12
Measurement time	0,4 s
Colour spaces	XYZ, LCh, CIE RGB, CIE LUV
Measuring aperature	Ø 4 mm, Ø 8 mm (interchangeable)
Measuring geometry	8°/d
Observer	10°
Calibration	White or black calibration selectable
Colour difference	$\Delta E^* ab$ $\Delta E^* (h)$ $\Delta E^* uv$ $\Delta E^* 94$ $\Delta E^* cmc(2:1)$ $\Delta E^* cmc(1:1)$ $\Delta E^* 00$
Menu language	English, Chinese
Power supply	3.7 V / 0.5 A
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 67 x 80 mm
Weight	500 g