

COLOR METER

PCE-CSM 8-ICA



- » **CIE LAB, XYZ, Yxy, LCh, and LUV**
- » **SCI and SCE (specular excluded)**
- » **3.5" touch screen display**
- » **13 light source options**
- » **white and black calibration**
- » **1000 alphanumeric reference values and up to 10,000 sample values memory**
- » **WI, YI, TI, Mt, Color Stain, Color Fastness, SCI and SCE option (specular included and excluded)**
- » **Measuring aperture of 8 mm and 45°/0° illumination/viewing angle**
- » **rechargeable lithium-ion battery**
- » **high accuracy with Delta E*ab 0.04**

The color meter and spectrophotometer PCE-CSM 8 was developed for quality control, offers a high accuracy and comes with a 3.5" touch screen display. When using the color meter, you can choose between different color spaces (CIE LAB, XYZ, Yxy, LCh, and LUV) and 45/0 optics angle. After a measurement with the color meter, the reading can be used as a named reference value while other readings can be recorded as a sample and later be compared to the reference value easily for Pass/Fail determination.

In addition to the individual color space coordinates, the deviation between the reading (delta E) is also displayed. When using the color meter, it is possible to store up to 1000 reference values and up to 10,000 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 touchscreen
Display size	3,5 Inch
Storage medium	Internal memory
Storage capacity	10000 Values
Memory capacity (additional information)	1000 standard values, 10000 sample values
Interface	Mini-USB
Sensor	Silicon photodiode array
Light source	combined LED Illuminant: D65, A, C, D50, D55, D75, F2, F6, F7, F8, F10, F11, F12
Measurement time	1,5 s
Colour spaces	CIEL a* b*, XYZ, Yxy, LCh, CIE VUV, HunterLAB
Measuring aperature	Ø 8 mm
Wavelength range	400 ... 700 nm
Observer	2°, 10°
Calibration	White or black calibration selectable
Colour difference	ΔE*ab ΔE*uv ΔE*94 ΔE*cmc(2:1) ΔE*cmc(1:1) ΔE*00 ΔE(h)
Menu language	English, Chinese
Operating conditions	0 ... 40 °C, 0 ... 85 % RH
Storage conditions	-20 ... 50 °C, 0 ... 85 % RH
Dimensions (L x W x H)	230 x 90 x 77 mm
Weight	600 g