COLOR METER

PCE-CSM 10-ICA

» **CIE L*A*B, XYZ, Yxy, LCh, CIE LUV, HunterLAB**

» **black and white calibration**

» **determination of reference values and samples**

» **3.5" touch screen display**

» **rechargeable lithium-ion battery**

» **high accuracy**

» **easy to use**

» **incl. PC software**

» **8 mm aperture**

» **incl. ISO-Calibration Certificate**

The color meter PCE-CSM 10 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 L*A*B, XYZ, Yxy, LCh, CIE LUV, HunterLAB). 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 1000 reference values and up to 15,000 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	3,5 Inch
Storage medium	Internal memory
Storage capacity	25000 Values
Memory capacity (additional information)	1000 standard values, 25000 samples
Interface	Mini-USB, RS232
Sensor	Silicon photodiode
Light source	combined LED sources Illuminant: D65, A, C, D50, D55, D75, F1, F2(CWF), F3, F4, F5, F6, F7 (DLF), F8, F9, F10(TPL5), F11(TL84) F12(TL83/U30)
Measurement time	1,2 s
Colour spaces	XYZ, Yxy, LCh, CIE LUV, HunterLAB, WI (whiteness), YI (yellowness)
Measuring aperature	Ø 8 mm
Measuring geometry	8°/d
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*cmc (l:c) CIE2000 ΔE*00 ΔE (h)
Menu language	English, Chinese
Power supply	3.7 V / 0.5 A
Connector type	Device-europlug
Capacity	3200 mAh
Dimensions (L x W x H)	230 x 90 x 77 mm
Weight	600 g