COLOUR METER

PCE-CSM 6



- **CIE L*a*b*C*h, CIE L*a*b***
- **White calibration**
- **Determination of reference values and samples**
- **Measuring aperture: Ø8 mm**
- **Rechargeable lithium-ion battery**
- **High accuracy**
- **Easy to use**
- **Incl. PC software**
- **D65 light source**

The colorimeter was developed for quality control and offers a high accuracy. When using the colorimeter, you can choose between different colour spaces (CIE L*a*b, CIE L*a*b*C*h). After a measurement with the colorimeter, 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. Useful for determining color difference, chromaticity index, color sample database management, and color difference cumulative analysis.

In addition to the individual colour space coordinates, the deviation between the readings is also displayed. When using the colorimeter, it is possible to store up to 100 reference values and up to 20000 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 Typ	TFT-Color Display
Display size	2,8 Inch
Storage medium	Internal memory
Storage capacity	20000 Values
Memory capacity Additional information	100 standard values, 20000 samples
Interface	USB-B
Sensor	Silicon photodiode
Light source	LED with blue excitation light Type of light: D65
Color spaces	CIEL*a*b*C*h, CIEL a* b*
Color inequality	ΔE*ab ΔL*a*b ΔE*C*h
Measuring aperature	Ø 8 mm
Measuring geometry	8°/d
Calibration	Selectable between white and black calibration
Menu language	English (US), Chinese
Protection class (device)	IP20
Power supply	5 V DC, 2 A
Connector type	Device Europlug
Battery/battery	1 x 3,7 V intern , Lithium-ion battery
Battery 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

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