COLOR METER

PCE-CSM 4



- **Rechargeable Lithium-Ion battery**
- **Autom. calibration of black-and-white contrast**
- **Continuous performance**
- **Designed for food industry**
- **Measures various colors**
- **Application on different surfaces**

The Colorimeter proves to be a multitasking device. It is designed to measure the color spectrum of various objects. Light consists of a broad spectrum of colors which are not always purely white, black or blue. A light-source illuminates an object, which then absorbs part of that light and reflects another one. That reflected light can be then detected by a sensor in order to determine the reflected wavelengths and thus calculate its color. Colorimeters are often applied in areas of quality control in industrial sectors. Colorimeter of the PCE-CSM series are applied especially in industries where the characteristics of colors play a big role.

Whether it is dental technology, painting industries or for the production of plastic bags, the colorimeter PCE-CSM 4 is an ideal product for quality management and thus assures highest reliability, whenever it is important to assure a certain standard in optic quality. The colorimeter supports an ergonomic design and features a user-friendly menu navigation. The colorimeter PCE-CSM 4 has a large **measuring aperture of 20 mm**. Due to this alternation the devices are ideal for individualised applications in various divisions. The supported color spaces of the colorimeter PCE-CSM 4 are CIEL*a*b*C*h, CIEL a*b* and CIEXYZ. Thus the colorimeter is designed for application in professional industries.

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 standards, 20000 samples
Interface	Mini-USB
Sensor	Silicon photodiode
Light source	LED Illuminant: D65
Colour spaces	CIEL*a*b*C*h, CIEXYZ, CIEL a* b*
Colour difference	ΔE*ab ΔL*ab ΔE*C*H
Measuring aperature	Ø 20 mm
Measuring geometry	45/0
Calibration	White or black calibration selectable
Menu language	English, Chinese, English (GB)
Protection class (device)	IP20
Power supply	5 V DC, 2 A
Connector type	Device-europlug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion battery
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

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