Technical Colorimeter PCE-CSM 6

Colour meter PCE-CSM 6 for quality control
PC software included / Li-ion battery / different colour spaces /
determination of reference values and samples / white calibration

The colour meter PCE-CSM 6 was developed for quality control and offers a high accuracy. When using the colour meter, you can choose between different colour spaces (CIE L*a*b, CIE L*a*b*C*h). After a measurement with the colour 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 colour space coordinates, the deviation between the reading is also displayed. When using the colour meter, 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.

- CIE L*a*b*C*h, CIE L*a*b*   - rechargeable lithium-ion battery

- white calibration   - high accuracy

- determination of reference values and samples   - easy to use

- measuring aperture: Ø8 mm   - incl. PC software

Technical specifications

Measuring geometry	8°/d
Measuring aperture	Ø 8 mm
Sensor	Silicon photoelectric diode
Colour spaces	CIE L*a*b*C*h, CIE L*a*b*
Colour difference formular	ΔE*ab, ΔL*a*b, ΔE*C*h
Errors between each equipment	≤0.40 ΔE*ab
Standard deviation	within ΔE*ab 0.07
Repeatability	average of 30 measurements of standard white plate
Light source	D65
Light source device	LED blue light
Storage	100 reference values, 20,000 samples
Interface	USB

Power supply	Rechargeable lithium-ion battery
	3.7 V @ 3,200 mAh
Charging time	8 h
Battery life	> 3,000 measurements
Lamp life	5 years, more than 1.6 million measurements
Operating conditions	0 ... +40 °C
	0 ... 85 % RH
Dimensions	200 x 70 x 100 mm
Weight	500 g

Delivery content

1 x colour meter PCE-CSM 6, 1 x aluminium carrying case, 1 x lithium-ion battery, 1 x mains adapter, 1 x calibration plate (white), 1 x PC software, 1 x instruction manual