

**Portable Colour Meter PCE-CSM 7 for quality control / PC software included / Lithium-Ion battery /
black and white calibration / measurement modes for different colors /
degree of whiteness and yellowness / color measurement of black, white, red, green, yellow and blue**

The portable Colour Meter is an all-round applicable device. The portable Colour Meter PCE-CSM 7 allows to measure different parameter. The portable Colour Meter realize an automatically white and black calibration when it is switched on. Our portable Colour Meter is formed ergonomic and has a user-friendly surface. It has a little measurement inaccuracy and is suitable for a professional use. The portable Colour Meter facilitate the work of producers and other users. Manufacturer are depend on the quality of they products. To achieve and observe the optical requirements, our portable Colour Meter features the best reliability. When high quantities are to produce, all products should have the same optic. The portable Colour Meter facilitates therefore the work and protects the manufacturer against expensive failures. It doesn't matter, which product it is, because our portable Colour Meter caps a big color gamut for the measurements. The measurements can be analyzed via a software.

- rechargeable Lithium-Ion battery
- automatically white and black calibration
- steady performance
- degree of whiteness
- measurement of different colors
- application at many surfaces
- easy measuring steps
- yellowness

Technical Specification

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| Illuminating/Viewing Geometry | 8/d |
| Measuring Aperture | Ø8 mm / Ø4 mm |
| Detector | Silicon photoelectric diode |
| Color Space | CIEL*a*b*C*h CIEL a* b* CIEXYZ CIERGB CIEL u* v* CIEL*C*h° Yellowness & Whiteness Color Fastness |
| Color Difference Formula | ΔE^*ab ; ΔL^*ab ; ΔE^*C^*H ; $\Delta ECI94$; $\Delta E Hunter$ |
| Light source | D65, D50, A |
| Light source device | LED blue light excitation |
| Errors between each equipment | $\leq 0.40 \Delta E^*ab$ |
| Storage | 100 pcs. standards, 20000 pcs. samples |
| Repeatability | Standard deviation within ΔE^*ab 0.07 Average of 30 measurements of standard white plate |
| Weight | 500 g |
| Dimension | 205 x 70 x 100 mm |
| Power source | Rechargeable Lithium-Ion battery 3.7 V |
| Charging Time | 8 hours |
| Measuring times before recharging | more than 3000 times |
| Lamp Life | 5 years, more than 1.6 million measurements |
| Operating Temperature / Humidity Range | -10 ... +40 °C; 0 ... 85% relative humidity, non condensation |
| Data Interface | USB |

Delivery content

1 x portable Colour Meter PCE-CSM 7, 1 x transport case, 1 x rechargeable battery, 1 x calibration board, 1 x PC-Software, 1 x user manual, 2 x blind (4 und 8 mm diameter)