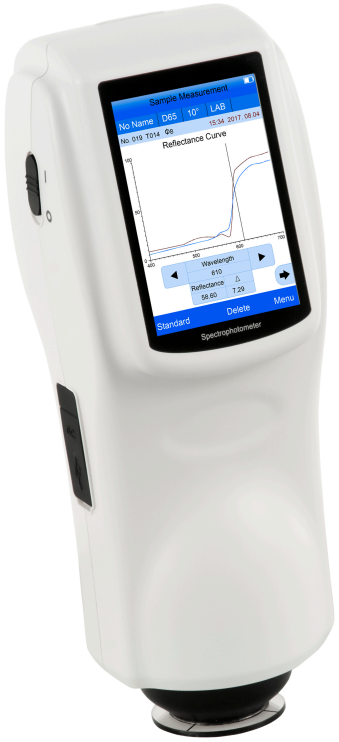
# SPECTROPHOTOMETER

## PCE-CSM 10




- **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**

The color meter 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 Typ | TFT touchscreen |
| 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-Quellen<br>Lichtart: 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 |
| Color spaces | XYZ, Yxy, LCh, CIEL u* v*, HunterLAB, WI (whiteness), YI (Yellowness) |
| Color inequality | ΔE*ab<br>ΔE*uv<br>ΔE*94<br>ΔE*cmc (2:1)<br>ΔE*cmc (1:1)<br>ΔE*cmc (l:c)<br>CIE2000 ΔE*00<br>ΔE (h) |
| Measuring aperature | Ø 8 mm |
| Measuring geometry | 8°/d |
| Wavelength range | 400 ... 700 Nm |
| Observer | 2°, 10° |
| Calibration | Selectable between white and black calibration |
| Menu language | Chinese, English (US), English (GB) |
| 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 |
| Dimensions ( L x W x H ) | 230 x 90 x 77 mm |
| Weight | 600 g |

PCE Americas Inc. dba PCE Instruments
1201 Jupiter Park Drive, Suite 8
Jupiter, FL 33458
USA

Phone: +1-561-320-9162
info@pce-americas.com