



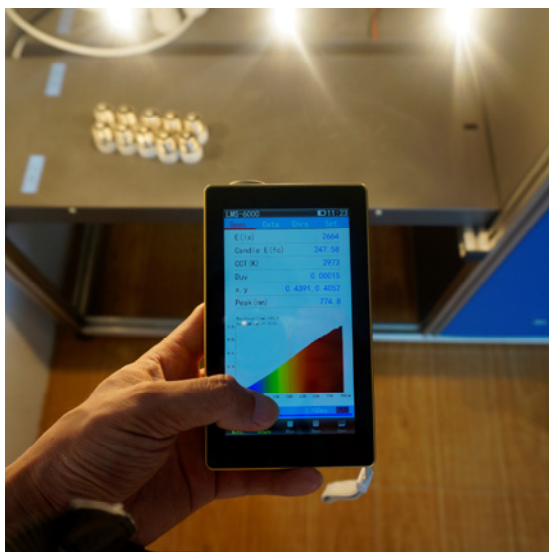
Portable CCD Spectroradiometer

(LMS-6000 Series)

Brochure



1. Application



2. Introduction

The Portable CCD Colorimeter Spectroradiometer has the following versions which can measure different parameters:

- **LMS-6000**: illuminance (lux), $E(F_c)$, $E_e(W/m^2)$, T_c (K), Duv Correlated Color Temperature (CCT), Chromaticity Coordinates, CRI, Purity, Peak Wavelength, Dominant Wavelength, Half Bandwidth, Center Wavelength, Centroid Wavelength, Total Color Difference, Brightness Difference, Red-Green Degree, Yellow-Blue Degree, CCT Difference, SDCM Diagram, Spectrum Diagram
- **LMS-6000P**: LMS-6000 Parameters+PAR, PPFD, YPF, Blue-purple irradiance E_b , Yellow-green irradiance E_y , Red-orange irradiance E_r , Ratio of red and blue radiation E_{rb_Ratio}
- **LMS-6000S**: LMS-6000 Parameters+PAR, PPFD, YPF, Blue-purple irradiance E_b , Yellow-green irradiance E_y , Red-orange irradiance E_r , Ratio of red and blue radiation E_{rb_Ratio} , R_f and R_g according to TM-30
- **LMS-6000F**: LMS-6000 Parameters+Flicker test
- **LMS-6000B**: LMS-6000 Parameters+Blue Light Hazard Weighted Irradiance according to GB/T20145, CIE S009/E:2002
- **LMS-6000BF**: LMS-6000 Parameters+Flicker test, Blue Light Hazard Weighted Irradiance according to GB/T20145, CIE S009/E:2002

Specification:

- Spectrum Range: 380~780nm. (The LMS-6000P is 350~800nm and LMS-6000S is 350~950nm)
- Spectral Resolution: $\pm 0.2nm$, Reproducibility: $\pm 0.5nm$
- Accuracy of Chromaticity Coordinate (Δx , Δy): ± 0.005
- Correlated Color Temperature CCT: 1, 000K ~ 100, 000K ($\pm 3\%$)
- Illuminance range: 5~200,000lx
- LCD screen: 5inch high definition IPS capacitive touch screen and resolution is up to 480*854
- With 4000mAh rechargeable Li-ion battery continuous working time 20 hours
- Size is one Iphone 6S and thickness is like diameter of 1RMB coin
- Connect to PC via USB, English version software can be run in Win7, Win8 or Win10



Hand bag, USB cable for charging, SD storage card

3.Operation Interface

