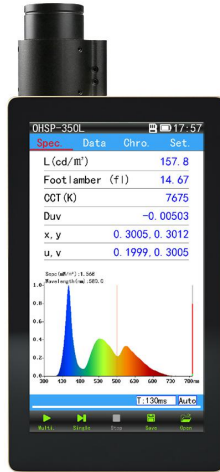


二、 Specification

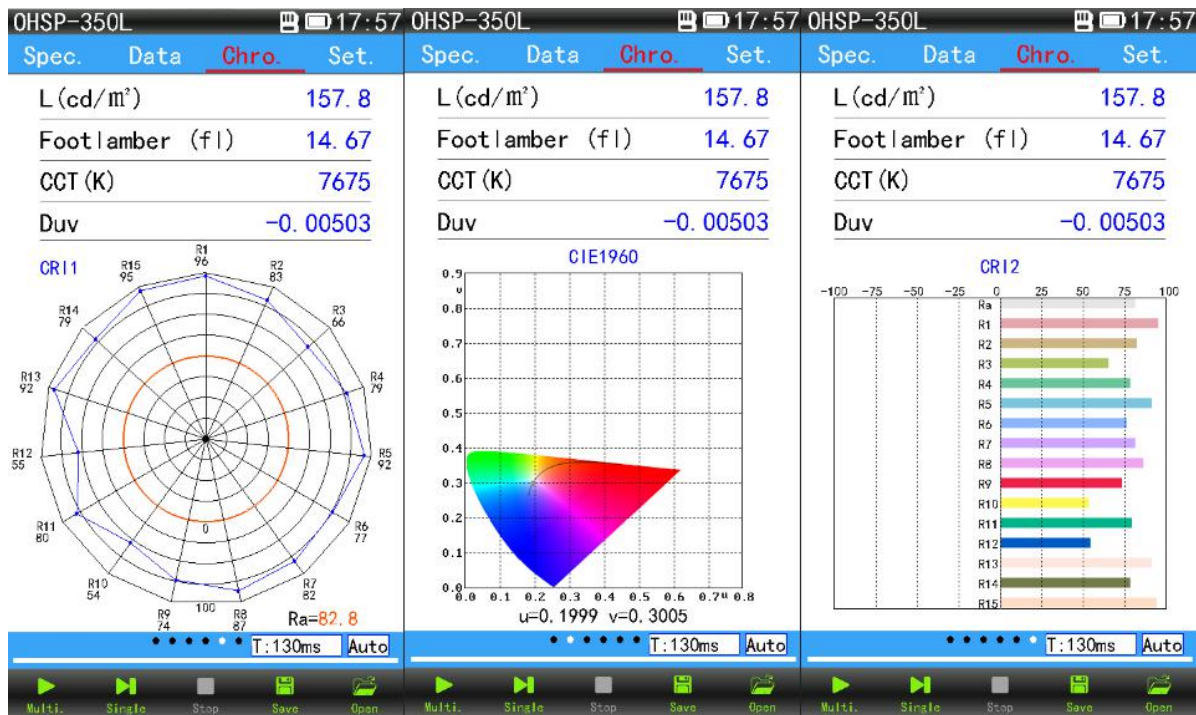
OHSP-350series handheld spectral colorimeter illuminance meter set of measurement function Spectrum, illumination, chromaticity, light flicker in one. Using 5 inch screen, the measurement parameters and curves are displayed in real time. It is convenient to use and can be directly tested in the lighting field., **Not only measurable LED wide spectrum light source, but also can measure the narrow spectrum light sources, such as CFL, HID, and so on.** It can also be used to test the environmental light of stage design, building light, plant growth lamp, engineering application and so on.

1、 Advantages

- ▲ Long telephoto optical system, the optical resolution of 2nm, a wider wavelength range, mainly measure the light source;
- ▲ automatic zeroing technology and Electronic shutter Technology, Integral time 50 μ s ~ 10000ms ,both stronger and weaker light signal can be measured;
- ▲ Fast switchgear, one key test;
- ▲ 5 "IPS high definition LCD touch screen;
- ▲ Large battery capacity, Test usage time more than 24 hours time;



Test interface:



Measuring parameters:

1. CCT Tc (K) and blackbody deviating from Duv
2. light luminance (cd/m²), candlelight E (Fc) radiation luminance (mW/cm²/sr)
3. chromaticity coordinates (x, y), (U, V), (U', V')
4. relative spectral power distribution P(λ)
5. color rendering index Ra, Ri (i=1 ~ 15)
6. color tolerance (SDCM, CIE and Macadam rectangle u' V' round)
7. Dominant wavelengths, peak wavelengths, central wavelengths, centroid wavelengths, and half width
8. light and dark visual ratio S/P
9. color purity, red ratio, green ratio, blue ratio, CIE1931 three basic color stimulus value X, Y, Z

A、technical indicators

Light splitting platform	Long focal length optical system	Range of illuminance measurement	5-200000lx	
(FWHM)	2nm	Range of color temperature measurement	1000-100000K	
spectral resolution	0.2nm	x,y Accuracy	±0.001	@ Under the condition of standard A light source 2856K and illuminance 10000lx
Senor	CCD	x,yrepeatability	±0.0005	
Sensor array points	3648	Accuracy of illumination	±4%	
Zeroing mode	Auto zeroing	Chromaticity accuracy	±1.5%	
Integral time	50us-20000ms	Wavelength accuracy	±0.5nm	
LCDDisplay	5 "IPS high definition LCD touch screen	Wavelength data output interval	1nm	
R.P.	480X854	AD Resolving power	16bits,250kSPS	
Measurement mode	Single / continuous	Language	Simplified / traditional / English	
Exposure mode	Auto / manual	File save	8GB SD Card	
Spectral display mode	6 optional display parameters	Data output interface	SDCard/USB2.0	
	Spectral distribution graph	size	163x81x25.8mm	
Data display mode	All parameters can be displayed up and down	Probe window	Ø 10mm	
Pattern display mode (Multiple patterns)	CIE1931 chromatic diagram	Weight (contains batteries)	500g	
	CIE1960 chromatic diagram	Operating temperature	0~35°C	
	CIE1976 chromatic diagram	Storage temperature	-10~40°C	
	SDCM Color tolerance	Continuous working time	>10hours	
	Circular graph of color rendering index	Battery capacity	4000mAh	
	Bar graph of color rendering index	Whole machine structure	All aluminum alloy engraving	

