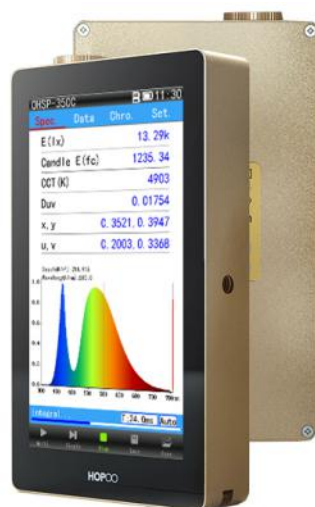


SPETTRADIOMETRO PORTATILE SP-H350

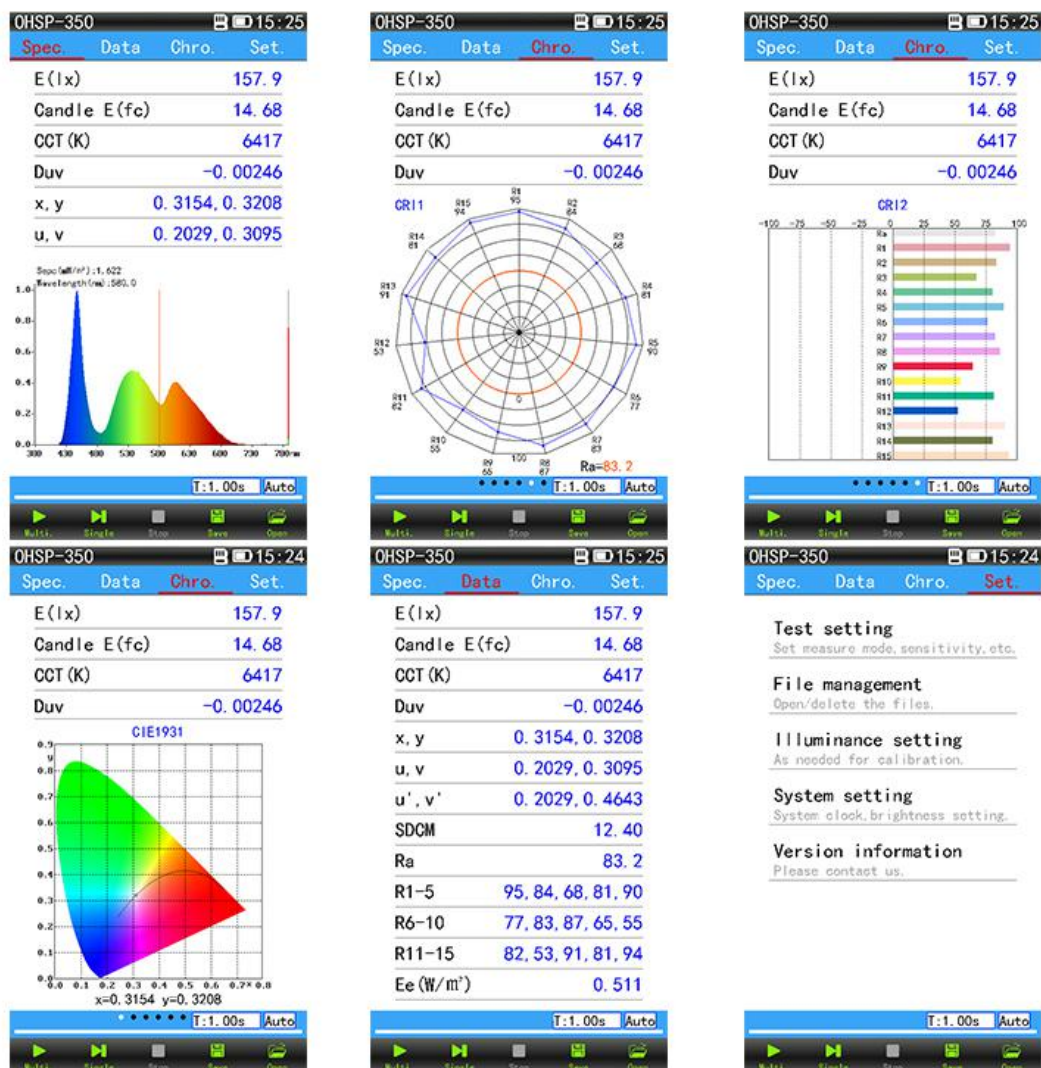
SP-H350 handheld spectral colorimeter illuminance meter set of measurement function Spectrum, illumination, chromaticity, light flicker in one. Using 5 inch screen, the measurement parameters and curves are displayed in real time. It is convenient to use and can be directly tested in the lighting field., **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 $50 \mu s \sim 10000ms$, 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:



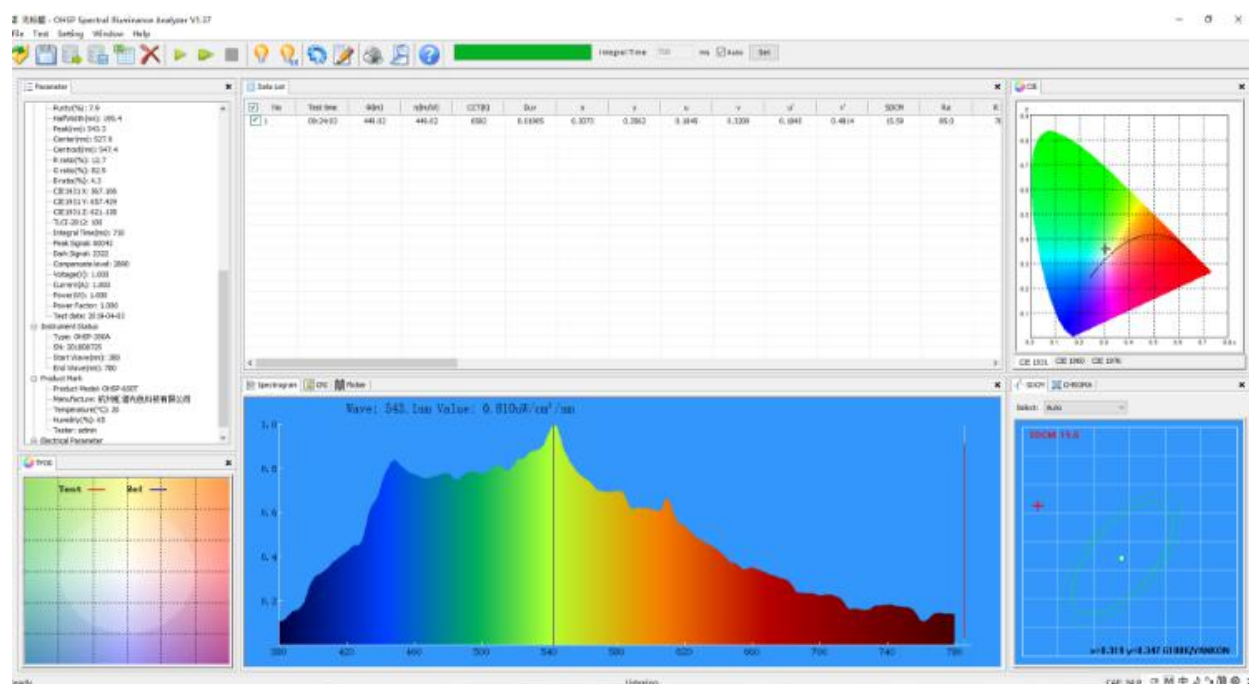
Measuring parameters:

1. CCT Tc (K) and blackbody deviating from Duv
2. light illumination E (LX), candlelight E (Fc) radiation illuminance Ee (mW/cm²)
3. chromaticity coordinates (x, y), (U, V), (U', V')
4. relative spectral power distribution P (lambda)
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	∅ 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	

SOFTWARE TEST INTERFACE



Excel file :

Wavelength(nm)	1#	2#	3#	4#	5#
350	0.110317	0.058826	0.040589	0.068695	0.066995
351	0.09628	0.053598	0.052861	0.063279	0.067614
352	0.089206	0.06295	0.061443	0.049633	0.063601
353	0.084348	0.062491	0.063162	0.059915	0.063216
354	0.080303	0.058805	0.058774	0.060667	0.056782
355	0.073681	0.053324	0.056367	0.062553	0.056747
356	0.065811	0.047664	0.05172	0.056672	0.057994
357	0.05887	0.043096	0.044485	0.05167	0.056036
358	0.052886	0.036195	0.036433	0.046831	0.044648
359	0.048004	0.031153	0.033424	0.041062	0.035046
360	0.04318	0.029905	0.035103	0.03995	0.026545
361	0.04254	0.028994	0.038957	0.039345	0.02642
362	0.042147	0.030481	0.038116	0.036428	0.027575
363	0.043298	0.03191	0.036295	0.034556	0.02892
364	0.04282	0.032089	0.034927	0.035903	0.032157
365	0.039484	0.030853	0.033727	0.038133	0.029754
366	0.037703	0.028243	0.038838	0.039809	0.032071
367	0.033802	0.027142	0.039091	0.035173	0.032439
368	0.029768	0.024539	0.037922	0.029777	0.032104
369	0.026256	0.023259	0.035497	0.025997	0.028999
370	0.025614	0.022493	0.035019	0.024898	0.022008
371	0.025449	0.022393	0.032607	0.02594	0.019801
372	0.024148	0.022346	0.028833	0.025339	0.017459
373	0.025058	0.023517	0.025918	0.024366	0.021559
374	0.024823	0.024304	0.025048	0.022786	0.023509
375	0.025396	0.022179	0.022975	0.019603	0.023952
376	0.025454	0.020099	0.022401	0.018748	0.022804
377	0.025003	0.017141	0.021189	0.017601	0.021231
378	0.025061	0.017268	0.022501	0.020474	0.022275
379	0.022836	0.016729	0.022046	0.021201	0.023407
380	0.021407	0.016741	0.02145	0.021493	0.022612
381	0.021063	0.017786	0.020966	0.019816	0.020705
382	0.01997	0.017201	0.020537	0.017207	0.017514
383	0.020201	0.018141	0.021063	0.017665	0.016022
384	0.018279	0.016059	0.019772	0.016162	0.015234