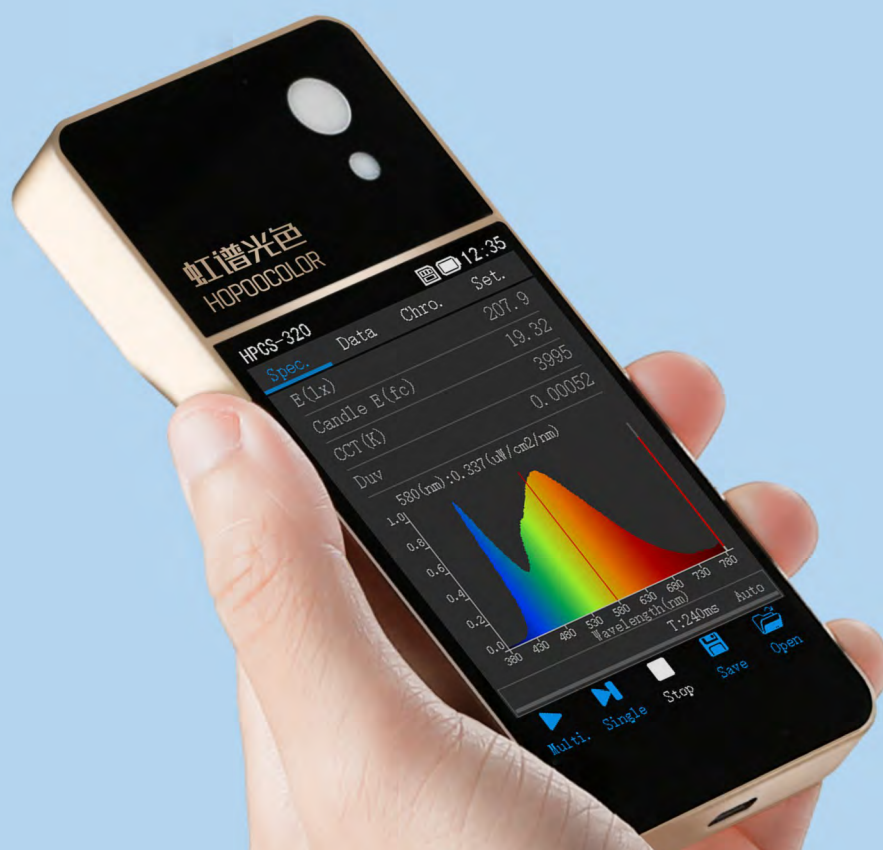


HPCS-320 SERIES SPECTRAL ILLUMINANCE METER

WITH A 15 MM SLIM FUSELAGE



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product description



The HPCS-320 series optical spectrum analyzer uses high-precision CCD optical sensor. With light design, stable performance, good accuracy, highcost performance, convenient portable and other features,equippedwith3.5 inches touch display screen, which operate like using a mobile phone.

Sampling and measurement of light source can be performed real-time and anywhere, with high-efficiency analysis and processing.

Widely used in home, shopping malls, schools, indoor, outdoor and other on-site lighting testing. It can also be used in the research and development of light source products, production line quality monitoring, even used in the eyewear and jewellery industry..etc.



Easy to carry



Operation easy



3500mAh capacity battery



4G SD card

Independent research
and development systemPatented automatic
zero and compensation
technology

Main technical specifications

Wavelength range	380nm~780nm
Splitting mode	Long-focus cross asymmetric CT optical system
Sensor	High-precision CCD
By light device	Φ10mm Cosine corrector
Spectral resolution	0.2nm
Wavelength accuracy	±0.5nm
Illumination accuracy	(±4% Reading +1 Digital)
Spectral bandwidth (FWHM)	4nm
CCT range	1,000K~100,000K
Stray light	≤0.5%
Illuminance measurement range	10lx~200klx
Integration time	50μs~10000ms
Communication interface	TPYE-C
using temperature /Humidity range	(-10~40) °C, relative humidity <70% (non-condensing)
Storage temperature / Humidity range	(-20~45) °C, relative humidity <70% (non-condensing)
Screen size	3.5"IPS HD LCD touch screen
Communication mode	Host-PC: USB
Storage capacity	4G TF card (Micro SD)
Power supply mode	Built in lithium battery / power adapter
Continuous working hours	One charge for 20 hours
Standard accessories	power adapter, Data line, 4G T-flash card, Wrist strap, bag, Warranty card, Certificate, Electronic manual
Host Size/Weight	132*61*15mm /without attachment about 210g (Contain the battery)

Measurable parameters

CCT Tc (K) and Blackbody deviation Duv	Relative spectral power distribution P (lambda)
light illumination E (LX), candlelight E (Fc)	Visual ratio of light and shade S/P
Chromaticity coordinates (x, y), (U, V), (U', V')	Integration time (ms)
Color rendering index Ra, Ri (i=1 ~ 15)	Peak signal, Dark signal
Color tolerance SDCM	Color purity, red ratio, green ratio, blue ratio, CIE1931 three basic color stimulus value X, Y, Z
Dominant wavelengths (nm), peak wavelengths (nm) Central wavelength (nm), half width (nm)	customized available

Equipment features

Power requirements

Charging adapter: Input: AC110V~220V $\pm 10\%$ Output: DC5V/1A $\pm 5\%$

Built-in lithium battery: 3500mAh

Data cable: Type C Carrying current $\geq 1A$

Calibration

In order to ensure the accuracy of the instrument's long-term use, it is recommended to send the instrument to our company for testing and calibration regularly.

It can also be sent to a laboratory with accredited qualification for spectral and photometric calibration for calibration; recommended calibration cycle: once a year.

Appearance size

Main machine: width $\times$ height $\times$ thickness: 61mm $\times$ 132mm $\times$ 15mm weighs about 210g

HPCS-320 Scenario application



Lighting for Home Store



Lighting factory



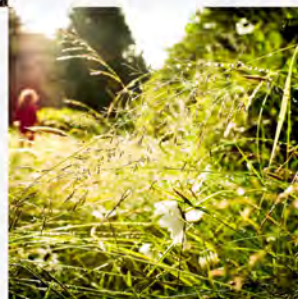
Mall lighting



Greenhouse
lighting test



School classroom
and playground lighting



Outdoor
playground lighting