

HP350UV(UV+VIS)

Compact and handheld spectrophotometer

FOR MEASUREMENT OF ILLUMINANCE, SPECTRUM AND UV(A-B-C) IRRADIANCE

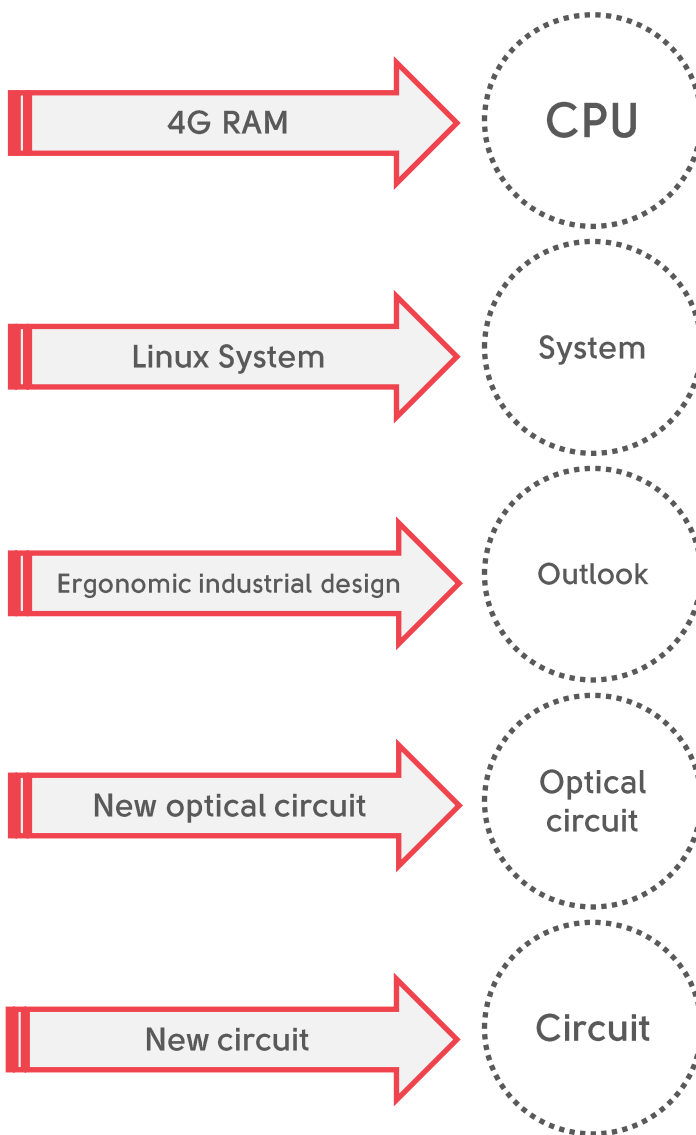
Main parameters

- ❑ Wavelength (230~780nm)
- ❑ Spectrum P(λ)
- ❑ Illuminance E(lx)
- ❑ CCT(K)
- ❑ Coordinates(x,y)
- ❑ UVA, UVB, UVC irradiance (mW/cm²)

2020
CPU Processor Linux System



5 UPGRADE



HP350UV(UV+VIS) is an irradiance meter for light source spectrum measurement and UV spectrum measurement. It is intelligent, professional, handheld and it allows rapid tests on light sources and LED lighting sites. UV irradiance hazard fast tester adopts CCD long focal length spectral technology to measure and analyze the spectral UV assessment of the lamp and the UV hazard of light sources.

Application range

- Engineering technicians, trading companies, technology engineers and others.
- On-site testing, on-site inspection and measuring tools (it doesn't replace equipment).

Optimized performance

- Intelligent and integrated, it replaces the traditional probe, the silicon photocell type illuminance meter.
- Built-in and independent research & development thanks to industry 4.0 Linux intelligent detection system.
- Open interface connected with automated and intelligent devices

Product parameter list

Type No.	HP350UV(UV+VIS)
Wavelength range	230nm~780nm
Spectral pattern	Telephoto crossed asymmetric CT spectroscopic system
Sensor	High precision CCD
Spectral distinguishability/ repeatability	0.2nm X, Y Repeatability±0,0005
Wavelength accuracy	±0,5nm
Illuminance accuracy	Class 1 (±4% reading ±1 reading)
Photosurface	Φ10mm
TM-30 Chromaticity parameter	No
UV parameter	Yes
Chromaticity coordinate	±0,0025(The stability of the source tracing to NIM is better than the one of ±0,0005 standard source)
CCT range	1,000K~100,000K
Stray light	≤0.3%
Illuminance measure range	5lx~200klx
Integral time	50µs~10000ms
Communication interface	Type-C interface
Using temperature/Humidity range	(-10~40)°C Relative humidity <70% (no condensation)
Storage temperature/Humidity range	(-20~45)°C Relative humidity <70% (no condensation)
Screen size	5.0"IPS high-definition LCD touch screen
Storage capacity	Factory standard 4G
Power supply mode	Built-in lithium battery/power adapter
Continuous working hours	Lasts about 10 hours on a single charge
Standard accessory	Power adapter, data cable, cloth bag, warranty card, quality certification, E-specification
Mainframe size	160mm(Height)*81mm(Width)*21.8mm(Thickness)

Test parameters list

CCT Tc (K)	Blackbody deviation Duv
Illuminance (lx)	Candela E (Fc)
Irradiance Ee (W/cm ²)	Chromaticity coordinate (x, y), (u, v), (u', v')
Relative spectral power distribution P(λ)	CRI Ra, Ri (i=1~15)
Colour tolerance SDCM (Macadam ellipse, rectangular frame and CIE u' v' circle)	Dominant wavelength
Peak wavelength	Central wavelength
Centroid wavelength	Half width
Light and shade ratio S/P	Colour purity
Red ratio	Green ratio
Blue ratio	CIE1931 three primary stimulus values X,Y,Z
Fidelity RF	Colour gamut index Rg
UV hazard irradiance (mW/cm ²)	UVA irradiance (mW/cm ²)
UVB irradiance (mW/cm ²)	UVC irradiance (mW/cm ²)
Euv irradiance (mW/cm ²)	Eb blue irradiance (mW/cm ²)
Eg green irradiance (mW/cm ²)	Er red irradiance (mW/cm ²)
Eir IR irradiance (mW/cm ²)	
More function parameter customizable	

Other types available on request

HP350UV(UV)	200~400nm
HP350C	380~780nm

CONTACTS

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GENERAL REQUESTS

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SALES

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