WWW.MK350.COM

MK350

Handheld Spectrometer

Test and Read Visible Spectrum in 3 seconds

MK350 helps building up your own LIGHT STYLE in lighting industry.

MK350 Handheld Spectrometer

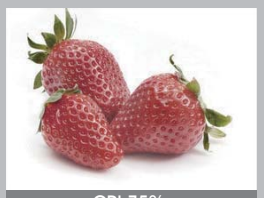
The UPRtek **MK350 Spectrometer** is the first truly compact, lightweight illuminance spectroradiometer which can be used without a computer for evaluation of next- generation lamps such as **LED**, **OLED** and **EL** illumination, as well as, conventional architectural and stage/ studio lighting, even lab research applications.

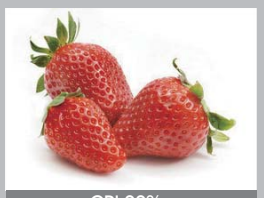
With its advanced sensor and outstanding design, it can easily measure **CCT**(Correlative Color Temperature), **CRI** (Color Rendering Index), **Illuminance**, **Chromaticity**, **λP** (peak wavelength), spectral distribution of virtually any light source in the lab or out in the field.

User friendly design, simple menu and 3.5 inch touch screen interface with color graphics make it the ideal tool for multiple applications within the lighting industry.

Reading appears instantly in easy to read full screen color graphics and measurement results stored via an SD card in raw data MS Excel and BMP formats.

The MK350 Spectrometer comes with certificate of calibration to NIST standards, and can be re-calibrated at any time with its internal Dark Calibration feature.


CRI 75%


CRI 99%


CCT 2800K


CCT 6500K


LUX 80


LUX 400

OStriders

MK350

Handheld Spectrometer

Applications >

LED,OLED R&D,QC, Sales, Purchase

Light source Spectrum, CCT,CRI evaluation

Outdoor advertising screen test

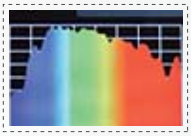
Computers and mobiles backlight modules test

Automotive Lighting / Guiding

Street / Tunnel Illumination

Indoor Illumination / Decoration

Museum / Display cabinet light design

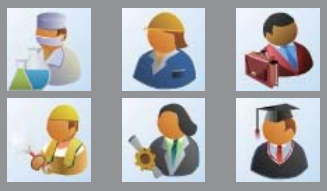


Lab and field scientific research

MK350 Spectrometer is a powerful tool for almost all applications of visible lights spectrum analysis in lighting industry, for example:

- ◆ LED,OLED R&D,QC, Sales, Purchase
- ◆ Light source Spectrum,CCT,CRI evaluation
- ◆ Outdoor advertising screen test
- ◆ Computers and mobiles backlight modules test
- ◆ Automotive Lighting / Guiding
- ◆ Street / Tunnel Illumination
- ◆ Indoor Illumination / Decoration
- ◆ Museum / Displaycabinet light design
- ◆ Lab and field scientific research applications

People who will benefit from using MK350 ?



Features >

◆ On-site measuring, in-time reading!

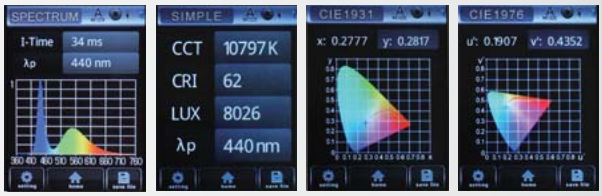
Just bring your portable MK350 to the site and point it directly to evaluate light source, the spectrum graphic will show up in no time, connecting to PC won't be a need anymore.

◆ Clear-cut data list, easy reading

In Simple mode, you can also read CCT(Correlative Color Temperature)、CRI(Color Rendering Index)、λP(Peak wavelength) directly.

◆ 4 modes available for your evaluation

Mode 1: Spectrum Graph
Mode 2: CCT(Correlative Color Temperature)、CRI(Color Rendering Index)、λP(Peak wavelength)
Mode 3: CIE 1931 Chromaticity Diagram
Mode 4: CIE1976 Chromaticity Diagram

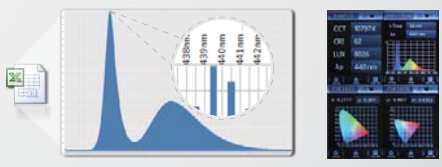


◆Navigation, nothing can vanish from your sight

In addition to the single-time capture mode, MK350 is also proud of its continuous capture mode which allows users to adjust the light source's Chromaticity, or to navigate along the light sources to evaluate the interior lighting.

◆ Complete storage for your access

All captured data can be stored in SD card, in both Excel and BMP file formats.



◆ Touchpad interface, easy and user-friendly

MK350 combines the latest OS, humanized-design interface, simple menu, and all these integrated in one 3.5' touchpad, even newcomers can use without any difficulty.

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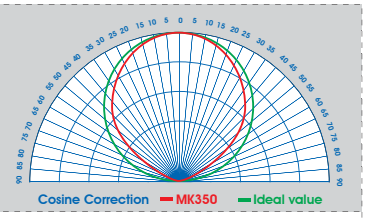
Specifications >

Sensor	CMOS Linear Image Sensor
Resolution	12 nm
Wavelength Range	360 ~ 750 nm
Measurement Range	70 ~ 70000 Lux
Cosine Recipt Area	6.6 ± 0.1 mm
Exposure Time Range	8 ~ 1000 ms
Capture Mode	Once / Continue
Integrating Mode	Auto / Manual
Measuring Modes	1. Basic Value Mode
	2. Spectrum Graph Mode
	3. CIE 1931 Chromaticity Dragram Mode
	4. CIE 1976 U.C.S Chromaticity Dragram Mode
Measuring Capabilities	1. Spectral Irradiance
	2. C.I.E. Chromaticity Coordinates
	(1) CIE 1931 x,y Coordinates
	(2) CIE 1976 U.C.S u',v' Coordinates
	3. Peak Wavelength
	5. Correlated Color Temperature; CCT (in Kelvins)
	5. Color Rendering Index; Ra (Rendering Average)
	6. Illuminance / Lux
Digital Resolution	16 bits
Dark Calibration	Yes
Stray Light	-25 dB max.
Wavelength Data Increment	1 nm
Wavelength Reproducibility	± 0.5 nm
	(Measured under constant light input conditions)
Illuminance Accuracy	± 5%
Color Accuracy	± 0.0025 in CIE 1931 x,y
Color Repeatability	± 0.0005 in CIE 1931 x,y
CCT Accuracy	± 2%
CRI Accuracy @ Ra	± 1.5%
Display	3.5" LCD 320X240 Touch Panel
Battery Operation Time	≧ 5 hours / One Full Charge
Battery	2500 mAh / Reachargeable Li-ion Battery
Date Output Interface	SD Card / USB 2.0
Data Format	Compatible MicroSoft Office Excel Data Format & BMP Format
Dimensions	144.2 x 78 x 24 mm (H x W x D)
Weight (with Battery)	250 g ± 20 g
Operating Temperature Range	0 ~ 35 °C
Storage Temperature Range	-10 ~ 40 °C
Language	English, Japanese, Simplified Chinese, Traditional Chinese
Place of Origin	Taiwan



Illuminant A
@ 2856k /
20000 lux

TOUCH CONTROL

MK350 3.5"touch screen interface

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OStriders

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