



**MF250N COMING SOON!**

# ➤ **FEATURES**

- ◆ **Industry-leading launch Flicker measurement instrument.**
- ◆ **Support Flicker Index, Percent Flicker measurement.**
- ◆ **Meets IES / ASSIST / ENERGY STAR / VESA specification definition .**
- ◆ **Standalone operation, no need smart phone or PC connection .**
- ◆ **Lights flicker frequency measurement.**
- ◆ **Flicker-time / frequency domain spectrum real-time monitoring.**
- ◆ **Spectrum diagram and including 5 light unit-of-measure.**

# ➤ OPERATION MODE



- **Flicker mode**  
Flicker index / Percent flicker / VESA FMA / Frequency
- **FFT mode**  
Flicker frequency-domain diagram
- **Light-wave mode**  
Flicker time-domain diagram
- **BASIC mode**  
CCT / CRI / LUX / λP / i-Time
- **SPECTRUM mode**  
Visible light spectrum



BASIC

## BASIC mode









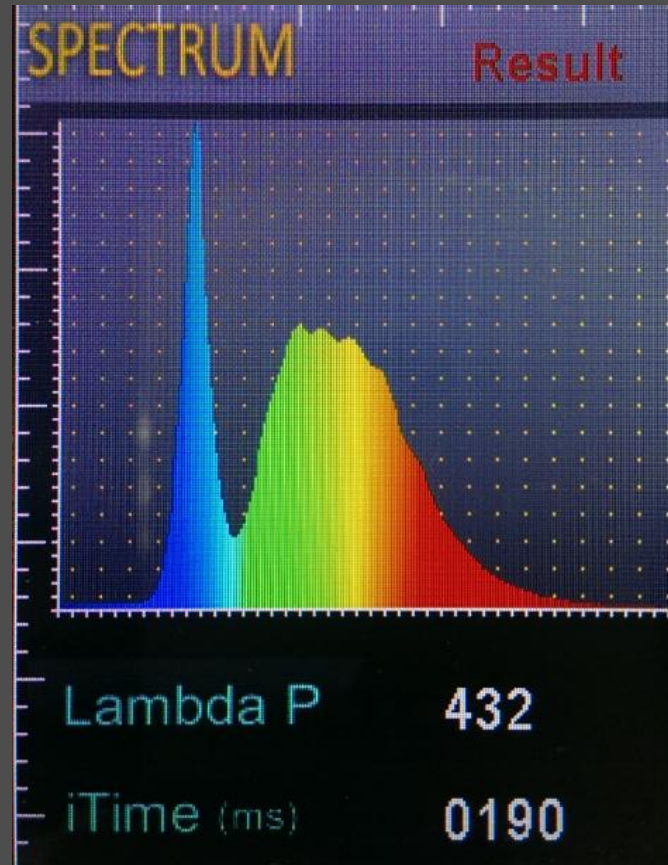
- Quick check of general data related to Lighting



SPECTRUM

## SPECTRUM mode

 BASIC	 SPECTRUM
 FLICKER	 FFT
 LIGHTWAVE	 SYSTEM



- Quick check of spectrum status during 380 ~780nm



## FLICKER mode



FLICKER	Capture
Fidx	0.002
Fcen	0.014
VFMA	0.028
Freq (Hz)	0120
Gain	0010

- Full coverage of Flicker measuring
- Obtain Flicker Percentage (Fcen) & Flicker Index (Fidx) at meantime



FFT

## FFT mode

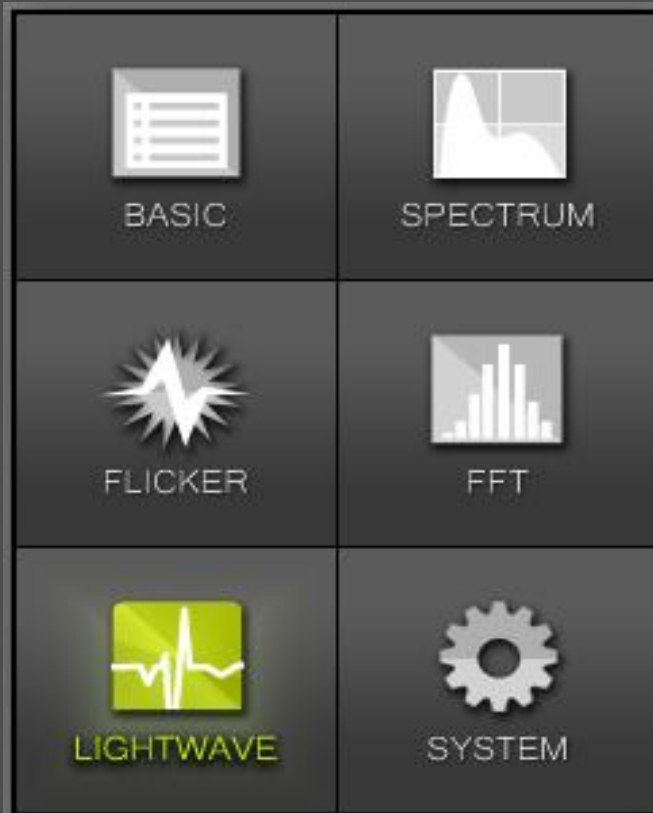


- FFT Mode for continuous monitoring and measurement.
- Real-Time Measuring of all light frequencies.



LIGHTWAVE

## LIGHTWAVE mode



- LIGHTWAVE Mode for continuous monitoring and measurement.
- Real-Time Light amplitude state(similar as oscilloscope's wave ).



# SPECIFICATION

## MF250N SPECIFICATION

<b>Flicker</b>	Sampling rate	5K/S
	Frequency range	5~2000Hz
	Frequency resolution	5Hz
	Accuracy	±5%
	Standard	IES / ASSIST / ENERGY STAR / VESA
<b>Spectrum</b>	Spectral Bandwidth	15nm
	Wavelength range	380~780nm
	Integration time range	6~1000ms
	Illuminance accuracy	±5%
<b>General</b>	Measuring modes	1.BASIC mode 2.SPECTRUM mode 3.FLICKER mode 4.FFT mode 5.LIGHTWAVE mode
	Display	2.8" TFT LCD, 240*320 Pixel, 262K color
	Battery	AA Battery *4
	Dimension	180*65*30mm(H*W*D)
	Weight	220g±20g (Without batteries)
	Operating Temp	0~35°C
	Storage Temp	-10~40°C

# APPLICATIONS

FLICKER	Capture
Fidx	0.002
Fcen	0.014
VFMA	0.028
Freq(HZ)	0120
Gain	83%

## Office lighting-



## Monitor/TV Flicker test-



## Lighting production test-





**UPRtek**

United Power Research Technology Corporation

# THANK YOU

