



MF250N

Measuring Solutions of Illumination Pulsation

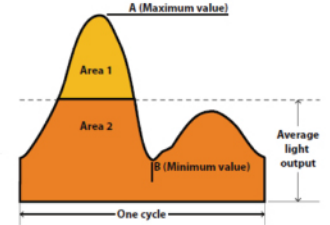
Flicker Meter

Light Safety Check

UV Protection

Industry-leading launch hand-held Flicker measurement instrument. Support Flicker Index, Percent Flicker measurement

- Meet standard IES , ASSIST, and ENERGY STAR specification definition
- Stand-Alone, no need smart phone or PC connection
- Value line your lighting products
- Flicker frequency detects and analyses up 2,000Hz



Source: IES Lighting Handbook, 10th Edition

- Percent Flicker = $100\% \times \frac{A - B}{A + B}$
- Flicker Index = $\frac{\text{Area 1}}{\text{Area 1} + \text{Area 2}}$

Refer to the National Standards

- *USA-IEEE PAR1789
- *EUROPE-European Lighting Standard EN 12464-1
- *JAPAN: PSE
- *JAPAN: Japanese code JIES-008(1999)
- *JAPAN: JIS C 8155
- *RUSSIA - SNiP 23-05-95 Daylight and Artificial Lighting
- *RUSSIA - National Standards: GOST 54945-2012
- *CHINA GB 50034-2004 Standard for lighting design of buildings
- *BRAZIL - CIE S 008/E-2001

FIELDS OF UTILIZATION



Lighting



LCD panels



Photography



Film/Video

MF250N FEATURES



Analysis



Wave motion



Illuminance



Flicker %

Flicker	Sampling rate	5,000/S
	Frequency range	5~2,000Hz
	Frequency resolution	5Hz
	Accuracy	±5%
	Standard	IES/ASSIST/ENERGY STAR/VESA
Spectrum	Spectral Bandwidth	15nm
	Wavelength range	380~780nm
	Integration time range	6~1,200ms
	illuminance accuracy	±5%
General	Measure feature	Basic mode: CCT, CRI, Lux, λP Spectrum mode: Visible light spectrum Flicker mode: Flicker index, Percent flicker, VESA FMA, Frequency FFT mode: Flicker frequency-domain diagram Lightwave mode: Flicker time-domain diagram
	Display	2.8" TFT LCD, 240x320 Pixel, 262K color
	Battery	AA Battery x 4
	Operating Temp	0~35°C
	Storage Temp	-10~40°C

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