



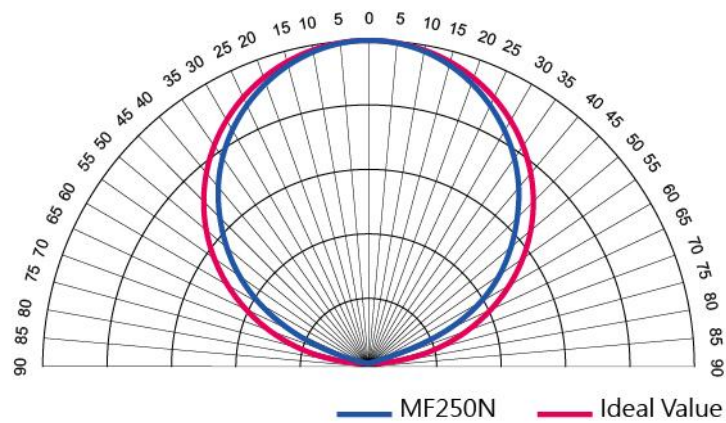
Flicker Meter MF250N

Handheld Spectrometer

Specification

Spectrum		
Sensor	CMOS Linear Image Sensor	
Wavelength Range	380 to 780 nm	
Wavelength Data Increment	2 nm	
Spectral Bandwidth	Approximately 15 nm (Half Bandwidth)	
Wavelength Reproducibility	± 1 nm ^{*1}	
Measurement Range	70 to 70,000 lx	
Illuminance Accuracy	Illuminant A @ 2,856 K at 20,000 lx ^{*2}	± 5%
CCT Accuracy		± 3.5%
CRI Accuracy @ Ra		± 2.5%
Stray Light	-25 dB max. ^{*3}	
Integration Time Range	6 to 1,200 ms	
Digital Resolution	16 bits	
Flicker		
Measurement Range	30 to 60,000 lx	
Sampling Rate	5k sample/sec	
Frequency Range	5 to 2,000 Hz	
Frequency Resolution	5 Hz	
Flicker Accuracy	± 5%	
Feature		

Capture Function	One time
Operation Mode	Standalone Mode
Integration Mode	Auto
Measuring Modes	1. Basic Mode
	2. Spectrum Mode
	3. Flicker Mode
	4. FFT Mode
	5. Lightwave Mode
	6. System Mode
Measuring Capabilities	1. Illuminance (LUX)
	2. Correlated Color Temperature (CCT)
	3. Color Rendering Index (CRI, Ra)
	4. Flicker Frequency
	5. Percent Flicker
	6. Flicker Index
	7. Stroboscopic Effect Visibility Measure (SVM)
	8. Time Of Waveform (Twave)
	9. Spectral Power Distribution (SPD) mW/m ²
	10. Peak Wavelength (λ_p)
	11. Intergration Time (I-Time)
System Configurations	
Display	2.8" 240X320 LCD
Max. Files	≈ 2.7 million Files @ 8GB Micro SD Card (Excel)
Power	4 AA Batteries (Alkaline)
Data Output Interface	Micro SD Card (SD 2.0, SDHC/up to 32G)
Data Format	Compatible Excel
Dimensions	180 x 65 x 30 mm (H x W x D)
Weight	280 g ± 10 g
Operating Temperature / Humidity	0 to 35 °C, relative humidity 70% or less without condensation
Storage Temperature / Humidity	-10 to 40 °C, relative humidity 70% or less without condensation
Display languages	English
Cosine Correction	



*1 : Input source must be a stable light source.

*2 : Temperature $23\pm 2^{\circ}\text{C}$ and relative humidity 50% or less.

*3 : Input the 550nm monochromatic light and measure the stray light ratio at $550\text{nm} \pm 40\text{nm}$.

The company reserves the right to change product specifications at any time without prior notice.