

Solar UVA Illumination



Display:

- 3 3/4 digits LCD with backlit maximum reading 3999.

Features:

- 3 in 1 design you can select one of the sensors, UV power, solar or Illumination to measure.
- Max, Min, Avg and data hold.
- Auto power off (adjustable from 0 to 99 min with) disable function.
- USB interface, datalogging capacity 45,000 records
- Real time clock with calendar.
- % displays differential from difference point.
- Low battery indication.
- Real zero function.

Solar Power:

- Solar power research.
- Physics and optical laboratories.
- Display in unit of Watts / m² or Btu / ft²h.
- It's great for those who test PV modules or arrays in the field.

UVA:

- Highly reliable direct reading instrument designed expressly for measuring light intensity at the wafer plane of mask aligners.
- UV curing light sources, and any other UV light source.
- Wavelength : 320~390nm.

Illumination:

- According to JISC1609 : 1993 and CNS 5119 general A class spec.
- Spectral response close to CIE luminous spectral efficiency.
- Silicon photodiode and filter.
- Cosine angular corrected.

Applications:

warehouses, factories, office buildings, restaurants, schools, libraries, hospitals, photographic, video, parking garages, museums, art galleries, stadiums, building and security, etc.

Specifications:

	UVA measurement	Illumination measurement	Solar measurement
Measuring range	400 μ W/cm ² 4000 μ W/cm ² , 20mW/cm ²	40.00Lux, 400.0Lux, 4000Lux, 4000 μ Lux, 4000 μ Lux, 40.00FC, 400.0FC, 4000FC, 4000 μ FC	40W/m ² , 400W/m ² , 2000W/m ² , 13 Btu(ft ² ·h), 127 Btu(ft ² ·h), 634Btu(ft ² ·h)
Resolution	0.01 μ W/cm ² , 1 μ W/cm ² , 0.01mW/cm ²	0.01, 0.1, 1, 10, 100 Lux, 0.01, 0.1, 1, 10 Foot-candle	0.01W/m ² , 0.1W/m ² , 1W/m ² , 0.01Btu(ft ² ·h), 0.1Btu(ft ² ·h), 1Btu(ft ² ·h)
Accuracy	$\pm 4\%$ Fs+2dgt	$\pm 3\%$ (Calibrated to standard incandescent lamp 2856°K) 6%(other visible light source)	$\pm 10\%$ W/m ² 【 $\pm 3\text{Btu}/(\text{ft}^2\cdot\text{h})$ or $\pm 5\%$ 】
Wavelength	320~390nm	380~780nm	400~1100nm
Datalogging capacity	45000 records		
Sampling Time	Approx. 0.25sec		
Data Output	USB interface		
Power Supply	9V battery(NEDA 1604 IEC 6F 22 JIS 006P)*1		
Battery life	Approx. 100 hr		
Weight	Approx. 250g		
Accessories	Instruction manual, Carrying case, USB cable, software CD		
	9V battery(NEDA 1604 IEC 6F 22 JIS 006P)*1		
	UVA sensor probe.	Illumination sensor probe.	solar sensor probe.
Dimension	Main instrument : 130x56x38mm.(LxWxH)		
	Sensor probe : 49 DIA. x 28(H) mm	Sensor probe : 80x55x25 mm.	Sensor probe: 80x55x25 mm