

- Compact, Handheld, and Durable
- Simple One-Button Operation
- NIST Traceable Accuracy
- LCD Display
- Made in USA
- Standard Models for Outdoor / High Intensity Applications
- Sensitive Models for Indoor / Low Intensity Applications

# Solarmeter Radiometers

## Precision Handheld UV Meter Models



### Model 4.0 Standard UVA Meter $mW/cm^2$

- Monitoring UV Lamp Intensity and Aging
- Measuring Outdoor UVA
- Testing Acrylic Shield Transmission
- Testing Window Film/Tint Transmission
- Testing Eyewear UVA Blocking Capabilities



### Model 6.2 Sensitive UVB Meter $\mu W/cm^2$

- Monitoring UV Lamp Intensity and Aging
- Monitoring Reptile Lamp Intensity and Aging
- Measuring UVB Phototherapy Lamp Intensity and Aging
- Testing Acrylic Shield Transmission
- Testing Window Film/Tint Transmission
- Testing Eyewear UV Blocking Capabilities



### Model 8.0 UVC Meter $\mu W/cm^2$

- Monitoring Germicidal Lamp Intensity and Aging
- Testing Germicidal Lamp Fixture Leakage
- Testing Eyewear UVC Blocking Capabilities



### Model 4.2 Sensitive UVA Meter $\mu W/cm^2$

- Monitoring Low Level UVA from Household Lighting
- Measuring Outdoor Shady Area UVA
- Testing Ground Level UVA from Stadium Lighting
- Testing Window Film/Tint Transmission



### Model 6.4 Vitamin D3 Meter IU/Min

- Monitoring UV Lamp Intensity and Aging
- Monitoring of Vitamin D3 Production in IU/min
- Measuring Lamp Intensity in Terms of Vitamin D3 Production
- Measuring Solar Intensity in Terms of Vitamin D3 Production
- Comparison of Sources in Terms of Vitamin D3 Production



### Model 9.2 Bilirubin Meter $\mu W/cm^2$

- Monitoring Bilirubin Lamp Intensity and Aging
- Monitoring Blue Light/LED Intensity and Aging
- Monitoring Aquarium Lamp Intensity and Aging
- Monitoring Acne Lamp Intensity and Aging
- Measuring Blue Light from Household Appliances
- Measuring Photosynthetic Action Spectrum Blue Band
- Testing Eyewear Actinic Blocking Capabilities



### Model 5.0 Standard Total UV (A+B) Meter $mW/cm^2$

- Monitoring UV Lamp Intensity and Aging
- Monitoring PUVA Therapy Lamp Intensity and Aging
- Measuring Outdoor UV
- Testing Acrylic Shield Transmission
- Testing Window Film/Tint Transmission
- Testing Eyewear UV Blocking Capabilities



### Model 6.5 UV Index Meter

- Monitoring UV Lamp Intensity and Aging
- Monitoring Instantaneous UV Index
- Monitoring Reptile Lamp Intensity and Aging
- Measuring Solar Intensity in Terms of UV Index
- Comparison of Sources in Terms of UV Index
- Tracking of UV Index over time



### Model 9.4 Visible Blue Light Meter $mW/cm^2$

- Monitoring Blue Light/LED Intensity and Aging
- Monitoring Aquarium Lamp Intensity and Aging
- Monitoring Acne Lamp Intensity and Aging
- Measuring Photosynthetic Action Spectrum Blue Band
- Measuring Outdoor Blue Light
- Testing Eyewear Actinic Blocking Capabilities



### Model 5.7 Sensitive Total UV (A+B) Meter $\mu W/cm^2$

- Monitoring Low Level UV from Household Lighting
- Monitoring Xeroderma Pigmentosum UV Exposure
- Monitoring Artwork UV Exposure
- Measuring Outdoor Shady Area UV
- Testing Ground Level UV from Stadium Lighting
- Testing Window Film/Tint Transmission



### Model 7.0 UV Erythemally Effective Meter (Eff) MED/Hr

- Monitoring UV Lamp Intensity and Aging
- Monitoring Instantaneous UV in MED/Hr
- Measuring Solar Intensity in MED/Hr
- Comparison of Sources in MED/Hr
- Tracking of UV in MED/Hr Over Time



### Model 9.6 Visible Red Light Meter $mW/cm^2$

- Monitoring Red Light/LED Intensity and Aging
- Monitoring Red Fluorescent Lamp Intensity and Aging
- Monitoring Red HID Lamp Intensity and Aging
- Monitoring Collagen Stimulation Lamp Intensity and Aging
- Monitoring Wound Healing Lamp Intensity and Aging
- Measuring Photosynthetic Action Spectrum Red Band
- Measuring Outdoor Red Light



### Model 6.0 Standard UVB Meter $mW/cm^2$

- Monitoring UV Lamp Intensity and Aging
- Monitoring UVB Phototherapy Lamp Intensity and Aging
- Measuring Outdoor UVB
- Testing Acrylic Shield Transmission
- Testing Window Film/Tint Transmission
- Testing Eyewear UVB Blocking Capabilities



### Model 7.5 UV Erythemally Effective Meter (Eff) $W/m^2$

- Monitoring UV Lamp Intensity and Aging
- Monitoring Instantaneous UV in  $W/m^2$
- Monitoring Tanning Lamp Output Regulations
- Measuring Solar Intensity in MED/Hr
- Testing Acrylic Shield Transmission
- Testing Window Film/Tint Transmission
- Testing Eyewear UV Blocking Capabilities



### Model 10.0 Global Solar Power Meter $W/m^2$

- Monitoring Solar PV Panel Input
- Measuring Outdoor Solar Irradiance
- Estimating PV Array Power Output
- WRR Traceable Accuracy

## Solarmeter Radiometers Application Guide

Type of Meter	Models				Applications
<b>UVA</b>	<b>Model 4.0</b>	<b>Model 4.2</b>			
Monitoring UV Lamp Intensity and Aging	X	—	—	—	Lamp Monitoring
Monitoring Low Level UVA from Household Lighting	—	X	—	—	
Measuring Outdoor UVA	X	—	—	—	Outdoor Measurements
Measuring Outdoor Shady Area UVA	—	X	—	—	
Testing Window Film/Tint Transmission	X	X	—	—	UV Testing
Testing Acrylic Shield Transmission	X	—	—	—	
Testing Eyewear UVA Blocking Capabilities	X	—	—	—	
Testing Ground Level UVA from Stadium Lighting	—	X	—	—	
<b>UVA+B</b>	<b>Model 5.0</b>	<b>Model 5.7</b>			
Monitoring UV Lamp Intensity and Aging	X	—	—	—	Lamp Monitoring
Monitoring PUVA Therapy Lamp Intensity and Aging	X	—	—	—	
Monitoring Low Level UV from Household Lighting	—	X	—	—	
Monitoring Xeroderma Pigmentosum UV Exposure	—	X	—	—	
Monitoring Artwork UV Exposure	—	X	—	—	
Measuring Outdoor UV	X	—	—	—	Outdoor Measurements
Measuring Outdoor Shady Area UV	—	X	—	—	
Testing Window Film/Tint Transmission	X	X	—	—	UV Testing
Testing Acrylic Shield Transmission	X	—	—	—	
Testing Eyewear UV Blocking Capabilities	X	—	—	—	
Testing Ground Level UV from Stadium Lighting	—	X	—	—	
<b>UVB</b>	<b>Model 6.0</b>	<b>Model 6.2</b>			
Monitoring UV Lamp Intensity and Aging	X	X	—	—	Lamp Monitoring
Monitoring UVB Phototherapy Lamp Intensity and Aging	X	—	—	—	
Monitoring Reptile Lamp Intensity and Aging	—	X	—	—	Outdoor Measurements
Measuring Outdoor UVB	X	—	—	—	
Measuring Outdoor Shady Area UVB	—	X	—	—	UV Testing
Testing Window Film/Tint Transmission	X	X	—	—	
Testing Acrylic Shield Transmission	X	X	—	—	
Testing Eyewear UV Blocking Capabilities	X	X	—	—	
<b>UVC</b>	<b>Model 8.0</b>				
Monitoring Germicidal Lamp Intensity and Aging	X	—	—	—	Lamp Monitoring
Measuring Germicidal Lamp Fixture Leakage	X	—	—	—	Safety
Testing Eyewear UVC Blocking Capabilities	X	—	—	—	UV Testing
<b>Erythemally Weighted UVA + B</b>	<b>Model 6.4</b>	<b>Model 6.5</b>	<b>Model 7.0</b>	<b>Model 7.5</b>	
Monitoring UV Lamp Intensity and Aging	X	X	X	X	Lamp Monitoring
Monitoring of Vitamin D3 Production in IU/min	X	—	—	—	
Monitoring Instantaneous UV Index	—	X	—	—	
Monitoring Reptile Lamp Intensity and Aging	—	X	—	—	
Monitoring Instantaneous UV in MED/Hr	—	—	X	—	
Monitoring Instantaneous UV in W/m2	—	—	—	X	Outdoor Measurements
Monitoring Tanning Lamp Output Regulations	—	—	—	X	
Measuring Solar Intensity in Terms of Vitamin D3 Production	X	—	—	—	UV Comparisons
Measuring Solar Intensity in Terms of UV Index	—	X	—	—	
Measuring Solar Intensity in MED/Hr	—	—	X	—	
Measuring Solar Intensity in W/m²	—	—	—	X	
Comparison of Sources in Terms of Vitamin D3 Production	X	—	—	—	UV Tracking
Comparison of Sources in terms of UV Index	—	X	—	—	
Comparison of Sources in MED/Hr	—	—	X	—	UV Testing
Tracking of UV Index Over Time	—	X	—	—	
Tracking of UV in MED/Hr Over Time	—	—	X	—	
Testing Window Film/Tint Transmission	—	—	—	X	
Testing Acrylic Shield Transmission	—	—	—	X	UV Testing
Testing Eyewear UV Blocking Capabilities	—	—	—	X	
<b>Visible Light</b>	<b>Model 9.2</b>	<b>Model 9.4</b>	<b>Model 9.6</b>	<b>Model 10.0</b>	
Monitoring Blue Light/LED Intensity and Aging	X	X	—	—	Lamp Monitoring
Monitoring Aquarium Lamp Intensity and Aging	X	X	—	—	
Monitoring Acne Lamp Intensity and Aging	X	X	—	—	
Monitoring Bilirubin Lamp Intensity and Aging	X	—	—	—	
Monitoring Red Light/LED Intensity and Aging	—	—	X	—	
Monitoring Red Fluorescent Lamp Intensity and Aging	—	—	X	—	
Monitoring Red HID Lamp Intensity and Aging	—	—	X	—	
Monitoring Collagen Stimulation Lamp Intensity and Aging	—	—	X	—	
Monitoring Wound Healing Lamp Intensity and Aging	—	—	X	—	
Monitoring Visible Light Intensity and Aging	—	—	—	X	
Measuring Blue Light from Household Appliances	X	—	—	—	Outdoor Measurements
Measuring Photosynthetic Action Spectrum Blue Band	X	X	—	—	
Measuring Outdoor Blue Light	—	X	—	—	
Measuring Photosynthetic Action Spectrum Red Band	—	—	X	—	
Measuring Outdoor Red Light	—	—	X	—	
Measuring Solar PV Panel Input	—	—	—	X	UV Testing
Measuring Outdoor Solar Irradiance	—	—	—	X	
Testing Eyewear Actinic Blocking Capabilities	X	X	—	—	
Estimating PV Array Power Output	—	—	—	X	

<u>Model 4.0</u>	UVA Meter - 0-199.9 mW/cm <sup>2</sup>
<u>Model 4.2</u>	UVA Meter - 0-1999 μW/cm <sup>2</sup>
<u>Model 5.0</u>	Total UV (A+B) Meter - 0-199.9 mW/cm <sup>2</sup>
<u>Model 5.7</u>	Total UV (A+B) Meter - 0-1999 μW/cm <sup>2</sup>
<u>Model 6.0</u>	UVB Meter - 0-19.99 mW/cm <sup>2</sup>
<u>Model 6.2</u>	UVB Meter - 0-1999 μW/cm <sup>2</sup>
<u>Model 6.4</u>	Vitamin D3 Meter - IU per Minute
<u>Model 6.5</u>	UV Index Meter - 0.199.9 Irradiation Range
<u>Model 7.0</u>	UV Erythemally Effective (Eeff) Meter - 0-199.9 MED/hour
<u>Model 7.5</u>	UV Erythemally Effective (Eeff) Meter - 0-19.99 W/m <sup>2</sup>
<u>Model 8.0</u>	UVC Meter - 0-1999 μW/cm <sup>2</sup>
<u>Model 9.2</u>	Bilirubin Light Meter - 0-1999 μW/cm <sup>2</sup>
<u>Model 9.4</u>	Visible Blue Light Meter - 0-199.9 mW/cm <sup>2</sup>
<u>Model 9.6</u>	Visible Red Light Meter - 0-199.9 mW/cm <sup>2</sup>
<u>Model 10.0</u>	Global Solar Power Meter - 0-1999 W/m <sup>2</sup>