- 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/cm²

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

Model 4.2 Sensitive UVA Meter µW/cm²

- 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 5.0 Standard Total UV (A+B) Meter mW/cm²

- 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 5.7 Sensitive Total UV (A+B) Meter µW/cm²

- 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 6.0 Standard UVB Meter mW/cm²

- 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 6.2 Sensitive UVB Meter µW/cm²

- 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 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 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 7.0 UV Erythemally Effective Meter (Eeff) 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 7.5 UV Erythemally Effective Meter (Eeff) W/m²

- Monitoring UV Lamp Intensity and Aging
- Monitoring Instantaneous UV in W/m2
- 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 8.0 UVC Meter µW/cm²

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

Model 9.2 Bilirubin Meter µW/cm²

- 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 9.4 Visible Blue Light Meter mW/cm²

- 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 9.6 Visible Red Light Meter mW/cm²

- 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 10.0 Global Solar Power Meter W/m²

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

SOLAR®
LIGHT

SOLARMETER® • UVMINDER®
MULTIPORT® • MICROTOPS®

100 East Glenside Avenue • Glenside, PA 19038 • USA • P 1.215.517.8700 • F 1.215.517.8747
www.solarmeter.com • info@solarmeter.com • www.youtube.com/user/SolarLightColnc

Solarmeter Radiometers Application Guide

Type of Meter	Models				Applications
UVA	Model 4.0	Model 4.2			
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	—	—	
UVA+B	Model 5.0	Model 5.7			
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	—	—	
UVB	Model 6.0	Model 6.2			
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	—	—	
Measuring Outdoor UVB	X	—	—	—	Outdoor Measurements
Measuring Outdoor Shady Area UVB	—	X	—	—	
Testing Window Film/Tint Transmission	X	X	—	—	UV Testing
Testing Acrylic Shield Transmission	X	X	—	—	
Testing Eyewear UV Blocking Capabilities	X	X	—	—	
UVC	Model 8.0				
Monitoring Germicidal Lamp Intensity and Aging	X	—	—	—	Lamp Monitoring
Measuring Germicidal Lamp Fixture Leakage	X	—	—	—	Safety
Testing Eyewear UVC Blocking Capabilities	X	—	—	—	UV Testing
Erythemally Weighted UVA + B	Model 6.4	Model 6.5	Model 7.0	Model 7.5	
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	
Monitoring Tanning Lamp Output Regulations	—	—	—	X	
Measuring Solar Intensity in Terms of Vitamin D3 Production	X	—	—	—	Outdoor Measurements
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 Comparisons
Comparison of Sources in terms of UV Index	—	X	—	—	
Comparison of Sources in MED/Hr	—	—	X	—	
Tracking of UV Index Over Time	—	X	—	—	UV Tracking
Tracking of UV in MED/Hr Over Time	—	—	X	—	
Testing Window Film/Tint Transmission	—	—	—	X	UV Testing
Testing Acrylic Shield Transmission	—	—	—	X	
Testing Eyewear UV Blocking Capabilities	—	—	—	X	
Visible Light	Model 9.2	Model 9.4	Model 9.6	Model 10.0	
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	
Measuring Outdoor Solar Irradiance	—	—	—	X	
Testing Eyewear Actinic Blocking Capabilities	X	X	—	—	UV Testing
Estimating PV Array Power Output	—	—	—	X	

SOLAR® LIGHT

100 East Glenside Avenue • Glenside, PA 19038 • USA • P 1.215.517.8700 • F 1.215.517.8747
www.solarmeter.com • info@solarmeter.com • www.youtube.com/user/SolarLightColnc