

# UVC Sensors To Monitor Ultraviolet Germicidal Irradiation (UVGI)

The decontamination of personal protective equipment (PPE) requires accurate determination of UVC dose. Effective Ultraviolet Germicidal Irradiation (UVGI) methods employ UVC sensors to ensure exposure levels of materials during sterilization are both achieved and maintained.

Highlighted below are the UVC monitoring and sensor solutions provided by Solar Light Company, Inc., to support UVGI protocols.

## SOLAR LIGHT PMA UVC GERMICIDAL SENSORS

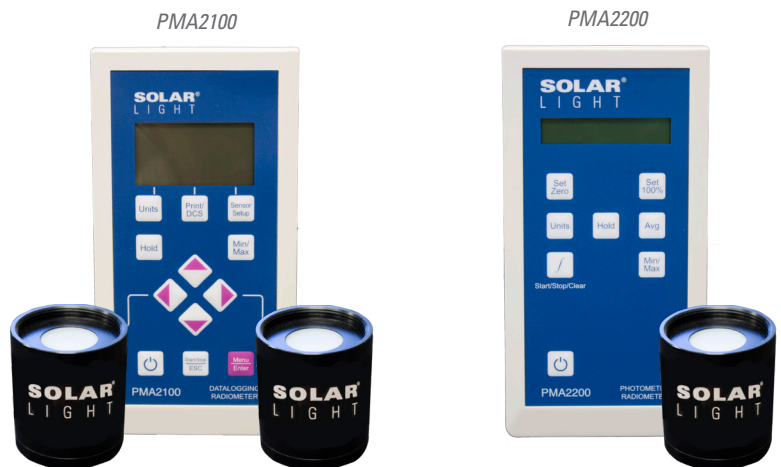
The decontamination of personal protective equipment (PPE) requires accurate determination of UVC dose. With PMA UVC germicidal sensors from Solar Light Company, Inc., you can determine the exact UVC dose reaching the PPE from outside the room. Full data logging capabilities and alarm set-points are available for up to 2-channels.

### PMA 2100 Dual-Input Radiometer

- Measures UVC Dose and Intensity
- Manual or Automatic Data Logging
- 2-Channels
- Measures 0-2,000  $\mu\text{W}/\text{cm}^2$  or 20,000  $\mu\text{W}/\text{cm}^2$  UVC Intensity
- NIST-Traceable Calibration
- Made In USA

### PMA2200 Single-Input Radiometer

- Measures UVC Dose and Intensity
- Measures 0-2,000  $\mu\text{W}/\text{cm}^2$  or 20,000  $\mu\text{W}/\text{cm}^2$  UVC Intensity
- NIST-Traceable Calibration
- Made In USA

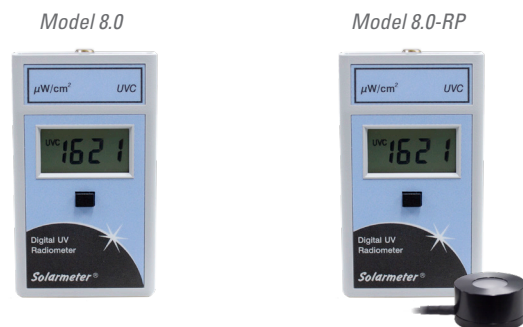


## SOLARMETER® UVC INTENSITY METER

With Solarmeter® Model 8.0 and Model 8.0-RP you can determine the exact UVC intensity reaching the PPE. UVC dose is determined by manual calculation.

### Features and Benefits

- Compact, Handheld, and Durable
- Simple Single-Button Operation
- Remote Probe (3 ft) Model 8.0-RP
- NIST-Traceable Accuracy
- LCD Display
- Made In USA



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## PRODUCT COMPARISON CHART

	Single Sensor	Dual Sensors	Intensity	Dose	0-2,000 $\mu\text{W}/\text{cm}^2$	0-20,000 $\mu\text{W}/\text{cm}^2$	Data Logging	NIST Calibrated
<b>Model 8.0</b>	X		X		X			X
<b>Model 8.0-RP</b>	X		X		X			X
<b>PMA2100</b>	X	X	X	X	X	X	X	X
<b>PMA2200</b>	X		X	X	X	X		X

## PRODUCT ORDERING INFORMATION

Product Number	Description
<b>SM-1-80</b>	Solarmeter® 8.0 Handheld Single-Button Meter, Case, NIST Certificate
<b>SM-1-80-RP</b>	Solarmeter® 8.0 Handheld Single-Button Meter, Remote Sensor (3 ft Cable), Case, NIST Certificate
<b>PMA 2122-10-10</b>	PMA2100 Handheld Radiometer 1 x PMA 2122-10 UVC Germicidal Sensor (UVC Intensity Range 0-2,000 $\mu\text{W}/\text{cm}^2$ ) with 10m Cable Universal Power Supply, Rechargeable Battery, Battery Charger, PMA Organizer Software (Downloadable), Carry Case, NIST Certificate
<b>PMA 2122-20-10</b>	PMA2100 Handheld Radiometer 2 x PMA 2122-10 UVC Germicidal Sensor (UVC Intensity Range 0-2,000 $\mu\text{W}/\text{cm}^2$ ) with 10m Cable Universal Power Supply, Rechargeable Battery, Battery Charger, PMA Organizer Software (Downloadable), Carry Case, NIST Certificate
<b>PMA 2122-1G-10</b>	PMA2100 Handheld Radiometer 1 x PMA 2122G-10 UVC Germicidal Sensor (UVC Intensity Range 0-20,000 $\mu\text{W}/\text{cm}^2$ ) with 10m Cable Universal Power Supply, Rechargeable Battery, Battery Charger, PMA Organizer Software (Downloadable), Carry Case, NIST Certificate
<b>PMA 2122-2G-10</b>	PMA2100 Handheld Radiometer 2 x PMA 2122G-10 UVC Germicidal Sensor (UVC Intensity Range 0-20,000 $\mu\text{W}/\text{cm}^2$ ) with 10m Cable Universal Power Supply, Rechargeable Battery, Battery Charger, PMA Organizer Software (Downloadable), Carry Case, NIST Certificate
<b>PMA 2222-10-10</b>	PMA2200 Handheld Radiometer PMA 2122-10 UVC Germicidal Sensor (UVC Intensity Range 0-2,000 $\mu\text{W}/\text{cm}^2$ ) with 10m Cable Power Adapter, Batteries, Carry Case, NIST Certificate
<b>PMA 2222-1G-10</b>	PMA2200 Handheld Radiometer PMA 2122-10 UVC Germicidal Sensor (UVC Intensity Range 0-20,000 $\mu\text{W}/\text{cm}^2$ ) with 10m Cable Power Adapter, Batteries, Carry Case, NIST Certificate

**SOLAR LIGHT COMPANY, INC.**, designs and manufactures precision solar simulators, meteorological instruments, sources, standards and calibration services to assess the impact of sunlight on human health and the environment. Areas of focus include SPF measurement of sun protection products, monitoring UV disinfection systems, atmospheric monitoring and solar cell testing.

**SOLARMETER™** by Solar Light Company Inc. is the industry standard for UV and visible light radiometers that measure both indoor and outdoor light sources. Our NIST Traceable meters are used to monitor lamp irradiance and aging for UV sterilization, reptile husbandry, indoor tanning, red/blue light phototherapy, UV curing and UV Index.

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**SOLAR®**

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