



# Photo Emission Tech., Inc.

760 Calle Plano, Camarillo, CA 93012 USA

Tel: (805) 482-5200 Fax: (805) 482-5252

Email: [pet@photoemission.com](mailto:pet@photoemission.com)

## **SOLAR SIMULATORS MODEL # SS200AAA**

### **SS200AAA-TP TOUCH PANEL SYSTEM FEATURES**

- Light intensity feedback for stable output intensity
- **Computer based Controller**
- Manual / automatic shutter control
- External lamp alignment with lamp on
- Manual/Automatic/External/Remote shutter control
- Forced air cooling
- Lamp life display
- Selectable and adjustable constant intensity or constant lamp current
- Safety Interlock override warning
- Shutter Status Indicator
- Lamp status indicator
- **Remote Trouble Shooting via Internet**
- Two (2) year factory warranty



#### **STANDARD TOUCH PANEL (TP) SYSTEM**

Specifications are subject to change without notice.



# Photo Emission Tech., Inc.

760 Calle Plano, Camarillo, CA 93012 USA

Tel: (805) 482-5200 Fax: (805) 482-5252

Email: [pet@photoemission.com](mailto:pet@photoemission.com)

## **SOLAR SIMULATORS MODEL # SS200AAA**

### **SS200AAA-EM ELECTRO-MECHANICAL SYSTEM FEATURES**

- Light intensity feedback for stable output intensity
- **Electro-Mechanical Controller**
- Lamp life display
- External lamp alignment with lamp on
- Manual/Automatic/External/Remote shutter control
- Forced air cooling
- Lamp Life Meter
- Lamp Current Meter
- Selectable and adjustable constant intensity or constant power mode
- Safety Interlock override LED
- Over Temperature Warning LED
- Shutter Status Indicator
- Lamp status indicator
- Two (2) year factory warranty



### **OPTIONAL ELECTRO-MECHANICAL (EM) SYSTEM (LOWER PRICE)**

Specifications are subject to change without notice



# Photo Emission Tech., Inc.

760 Calle Plano, Camarillo, CA 93012 USA

Tel: (805) 482-5200 Fax: (805) 482-5252

Email: [pet@photoemission.com](mailto:pet@photoemission.com)

## SOLAR SIMULATOR MODEL # SS200AAA

### SS200AAA-TP & SS200AAA-EM TECHNICAL SPECIFICATIONS

<u>FEATURE DESCRIPTION</u>	<u>SPECIFICATION</u>
Type of lamp	Xenon Short Arc
Lamp Power	1,430 W
Max. Illuminated area	7.87" (200mm) X 7.87" (200mm)
Light Source	Steady State
Air Mass	AM1.5G Standard: AM1.5D or AM1 optional
Lamp lifetime	1,000 Hours
Adjustment Range of light intensity	100 mW/cm <sup>2</sup> +/- 15%
Simulator Class*	AAA
Spectral Match to all intervals*	±25% or better
Spatial Non-uniformity of irradiance*	≤ 2% or better
Short Term Temporal Instability (STI)*	≤ 0.5% or better
Long Term Temporal Instability (LTI)*	≤ 2% or better
Dimensions (Height x Width x Depth)	81.7" (2,075mm) x 16.4" (417mm) x 24.4" (620mm)
Weight	275 Lbs. (125 Kg)
Optimum Working Distance	22.7" (577mm)
Phase/Voltage/Frequency	Single Phase/220VAC/50-60Hz
Max. Power Consumption (W)	2.0 KVA

\*MEETS CLASS A REQUIREMENTS OF ASTM E927-2010, IEC60904-9 Edition 2.0 2007-10 and JIS C 8912-1998: amendment 1-2005 & Amendment 2-2011