



Photo Emission Tech., Inc.

760 Calle Plano, Camarillo, CA 93012 USA

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

Email: pet@photoemission.com

SOLAR SIMULATOR MODEL # SS150AAA

FEATURES

- Safe lamp alignment mechanism. Alignment with lamp off.
- Lamp life hour meter
- Manual / automatic shutter control with programmable shutter timer 0.1 sec. to 999 sec.
- External shutter control
- Forced air cooling
- Light intensity meter
- Lamp current meter
- Selectable and adjustable constant intensity or constant lamp current
- Over voltage warning LED
- Over current warning LED
- Shorted Lamp warning LED
- Safety Interlock override LED

TECHNICAL SPECIFICATIONS

FEATURE DESCRIPTION	SPECIFICATIONS
LIGHT SOURCE UNIT	
Type of lamp	Xenon Short Arc
Lamp Power	1,000 W
Max. Illuminated area	5.91" (150mm) x 5.91" (150mm)
Light Source	Steady State
Air Mass	AM1.5G standard: AM0 or AM1 optional
Lamp lifetime	1000 Hours
Adjustment Range of light intensity	100 mW/cm ² +/- 20%
Simulator class	A
Spectral Match to ASTM E927	+/-25% or better
Non-uniformity of irradiance as per ASTM E927	≤2% or better
Temporal Stability as per ASTM E927	≤2% or better
Dimensions (Height x Width x Depth)	35.4" (900mm) x 18.9" (480mm) x 38.6" (980mm)
Weight	154 Lbs. (70 Kg)
POWER SUPPLY UNIT	
Phase/Voltage/Frequency	Single Phase/110-220 Volts/50-60Hz
Max. Power Consumption	3.0 KVA
Dimensions (Height x Width x Depth)	22.8" (580mm) x 17.7" (450mm) x 21.7" (550mm)
Weight	154 Lbs. (70 Kg.)