



Photo Emission Tech., Inc.

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SOLAR SIMULATOR MODEL # SS50ABA

FEATURES

- Light intensity feedback for stable output intensity
- Micro-Processor based Controller
- Host computer interface
- Lamp life display
- Manual / automatic shutter control with programmable shutter timer 0.1 sec. to 999 sec.
- External lamp alignment
- External shutter control
- Forced air cooling
- Light intensity meter
- Lamp current meter
- Selectable and adjustable constant intensity or constant lamp current
- Safety Interlock override warning

TECHNICAL SPECIFICATIONS

<i>FEATURE DESCRIPTION</i>	<i>SPECIFICATION</i>
LIGHT SOURCE UNIT	
Type of lamp	Xenon Short Arc
Lamp Power	150 W
Max. Illuminated area	1.97" (50mm) x 1.97" (50mm)
Light Source	Steady State
Air Mass	AM1.5G Standard: AM1.5D or AM1 optional
Lamp lifetime	1000 Hours
Adjustment Range of light intensity	100 mW/cm ² +/- 15%
Simulator Class as per ASTM E927	B
Spectral Match to ASTM E927	±25% or better
Non-uniformity of irradiance as per ASTM E927	≤ 3% or better
Temporal Stability as per ASTM E927	≤ 2% or better
Dimensions (Height x Width x Depth)	29.1" (740mm) x 11.8" (300mm) x 14.2" (360mm)
Weight	53 Lbs. (24 Kg)
CONTROLLER UNIT	
Phase/Voltage/Frequency	Single Phase/110-220 Volts/50-60Hz
Max. Power Consumption (W)	0.5 KVA
Dimensions (Height x Width x Depth)	8" (203mm) x 14.5" (368mm) x 14.5" (368mm)
Weight	25 Lbs. (11.3 Kg.)