



Photo Emission Tech., Inc.

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SOLAR SIMULATOR MODEL # SS100ABA

FEATURES

- Light intensity feedback for stable output intensity
- Micro-Processor based Controller
- Host computer interface
- Lamp life display
- Manual / automatic s External lamp alignment
- Shutter control with
- 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	500 W
Max. Illuminated area	3.94" (100mm) x 3.94" (100mm)
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 +/- 15%
Simulator class as per ASTM E927	B
Spectral Match to ASTM E927	+/-40% 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)	28.9" (735mm) x 13.8" (350mm) x 26.0" (660mm)
Weight	100 Lbs. (~46 Kg)
CONTROLLER UNIT	
Phase/Voltage/Frequency	Single Phase/110-220 Volts/50-60Hz
Max. Power Consumption	1.5 KVA
Dimension (Height x Width x Depth)	8" (203mm) x 14.5" (368mm) x 14.5" (368mm)
Weight	25 Lbs. (11.3 Kg.)