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Solar Simulator Model # SS400A

Features

- Light intensity feedback for stable output intensity
- 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	Specification
LIGHT SOURCE UNIT	
Type of lamp	Xenon Short Arc
Lamp Power	5,000 W
Max. Illuminated area	15.75" (400mm) x 15.75" (400mm)
Light Source	Steady State
Spectrum	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	A
Spectral Match as per ASTM E927	+/-25% or better
Temporal stability as per ASTM E927	+/-2% or better
Non-uniformity of irradiance as per ASTM E927	+/-3% or better
Dimensions (Height x Width x Depth)	101.4" (2,575mm) x 43.3" (1,100mm) x 88.0" (2,235mm)
Weight	440 Lbs. (200 Kg)
POWER SUPPLY UNIT	
Phase/Voltage/Frequency	Three Phase/220 Volts/50-60Hz
Max. Power Consumption	10.0 KVA
Dimensions (Height x Width x Depth)	39.4" (1,000mm) x 31.5" (800mm) x 31.5" (800mm)
Weight	330 Lbs. (150 Kg)