

TECHNICAL SPECIFICATIONS: Solar Simulator**Movements**

Vertical	Up and down in low speed.
Inclination	0-90° fast rotation, accuracy 1°.
Unit	The unit is on wheels and can be moved manually
Control	Manual Software control through PLC

Light Source

Lamp type	Metal halide 575W each
Minimum illuminated area	2.2 m x 1.5 m
Wavelength range	Spectral output matching the AM 1.,5
Lamps number	20 lamps, in 5 rows of four lamps
Lifetime	~1000 hours
Maximum intensity of light	Up to 1200 W/m ²
Dimming control	All rows of lamps simultaneously or from each individual row of lamps by up to 50%

Display

Height	With an accuracy of 1 mm
Angle of inclination	With an accuracy of 1 degree
Irradiance on the test sample	In W/m ²
Distance from the test rig	With an accuracy of 1mm