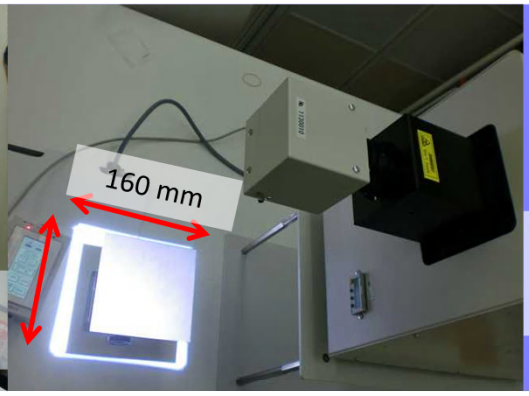
Solar Simulator
PEC-L15

Specifications

Input power	AC100V~120V/ AC200V~240V (Switchable) Single Phase 50/60Hz
Power Consumption	720W Max
Output current	DC18A ~ 33A
Xe lamp	700W Short-arc Xe lamp
Average Lamp life	1500 hours *1
Illumination Area	160 mm square (Effective Illumination area)
Irradiance	800~1300W/m^2 (AM 1.5G, in effective area)
Spectral Coincidence	400~1100 nm (JIS C 8912), 350~750 nm (JIS C8933)
Uniformity	±3% (Within Effective Area)
Long-term stability	1%/h Max. (after 30 min turn of the lamp)
Short-term stability	±2% (after 30 min turn of the lamp)
Incident light angle	< 15^o (within Effective Area)
Spread angle	< 15^o (within Effective Area)
Illumination distance	390 ± 10 mm
Controller	Touch panel controller
Illumination shielding	Motor or air movement (air movement is option)
Stabilizing irradiance	High-speed analog feedback circuit
Lamp alignment	XYZ table
Temperature in use	5~35^{o}C (RT)
Humidity in use	20~85% (RH, no condensation)
Vibration	No recommend because it is optical equipment
Shock	No recommend because it is optical equipment
Dimensions	250(W) × 356(H) × 690(D) mm
Weight	ca. 15 kg

(*1 This is an average lifetime, not warranty lifetime)

PEC-L15, Simple Unit Body.
Just 16 kg including power supply



PEC-L15 provides
a 160 mm Illumination Area
anywhere on your laboratory.

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PEC-L15 has a very fast
response mechanical shutter.

Suitable for measuring
I-V curves of Silicon solar cells
(Fast response I-V analyzer is needed.)

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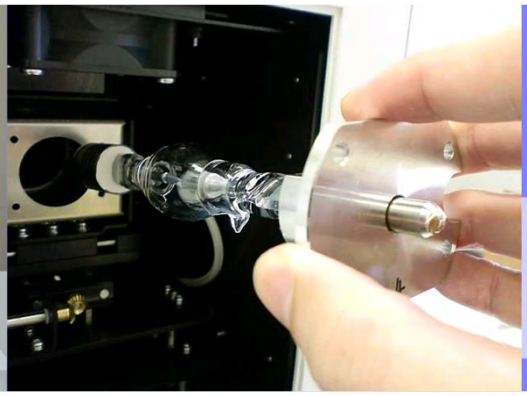
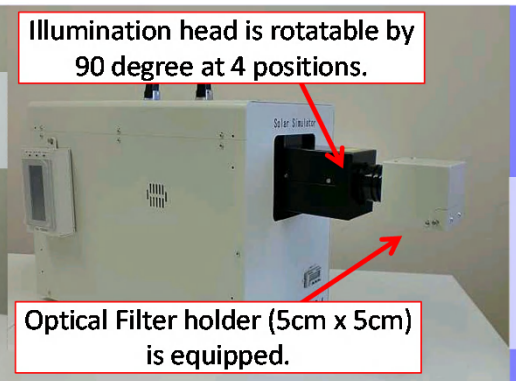


700 W Xe lamp is easily
accessed from the back panel.
Replacing lamp is also very
easy.

PEC-L15, Simple Unit Body.
Vertical type is also ready.



Features of PEC-L15
- 16 cm square illumination area
- 16 kg Unit Body.
- Rotatable Illumination head.
- 5 cm square Optical Filter Holder

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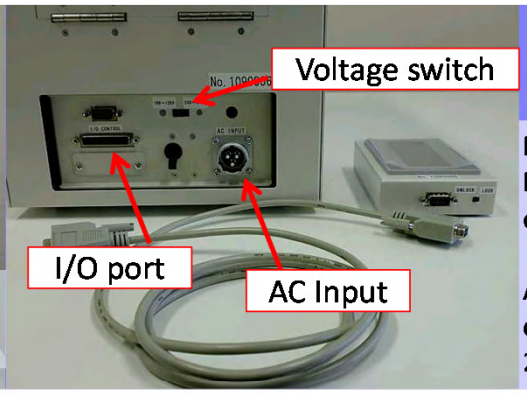

PEC-L15 has an I/O port.
It easily connect with other
equipment.

AC input voltage is easily
changeable between 100V and
200V easily