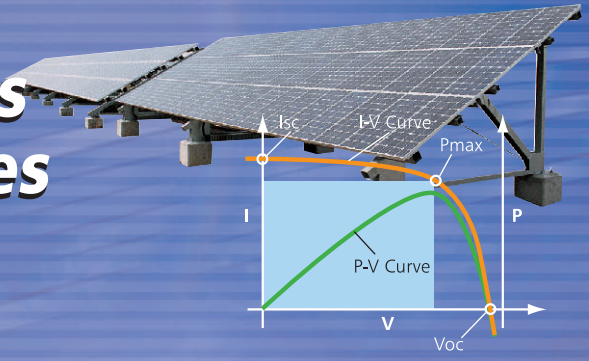


Evaluation Instruments for Photovoltaic Devices



Wide Range I-V Curve Tracer

MP-160

MP-160 measures I-V characteristics of wide variety of PV devices.



Field use I-V Curve Tracer I-V Checker

MP-170

I-V Checker measures I-V characteristics of PV module/array up to 10kW (600V, 20A), easily and on-site.



Pyranometer

MS-802

MS-602

EKO's pyranometers measure solar irradiance with high precision.



Solar simulator

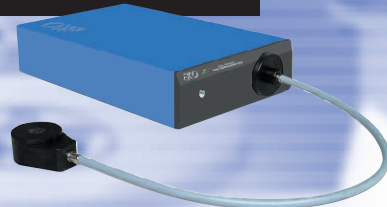
EKO Solar simulator is in conformity with Japanese Industrial Standards. EKO offers various solar simulators with different class, which are suitable for various irradiation area.



Spectroradiometer for Solar simulator

LS-100

LS-100 measures spectral distribution of artificial light source that is used for developing or manufacturing PV cells.



Grating Spectroradiometer

for wide range of infrared irradiance measurement

MS-710 (350-1100nm) MS-712 (900-1700nm)

MS-710 and MS-712 is all weather instruments and can be used for continuous outdoor measurement. Sequential spectral measurement from 350nm up to 1700nm is available with the simultaneous use of MS-710 and MS-712.



PV cell evaluation System for indoor measurement

Highly precise measurement is available by using special jig and temperature control function, which are suitable to various type of PV cell.



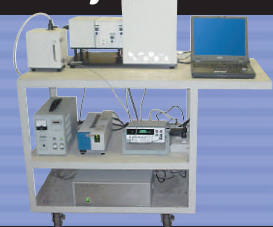
PV cell durability evaluation System for indoor measurement

PV cell durability evaluation instruments measures irradiation, temperature and humidity, which are provided by JIS C8917(Crystal) and JIS C8938(Amorphous).



Quantum Yields Measurement System

Quantum Yields Measurement System perform the absolute and high speed measurement of IPCE (incident photon to current conversion efficiency) in the range of 300-1200nm.



Stepped Light induced Transient Measurements of Photo-current and voltage Unit

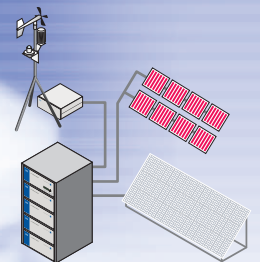
This system measures electron diffusion coefficient and electron lifetime of Dye Sensitized Solar Cell (DSC).



PV module & array evaluation system for outdoor measurement

- long term exposure measurement -

This system simultaneously measure I-V curve and various meteorological component.



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