

# CEP-25BX Spectral Response Measurement System

For Crystalline si and amorphous si solar cells

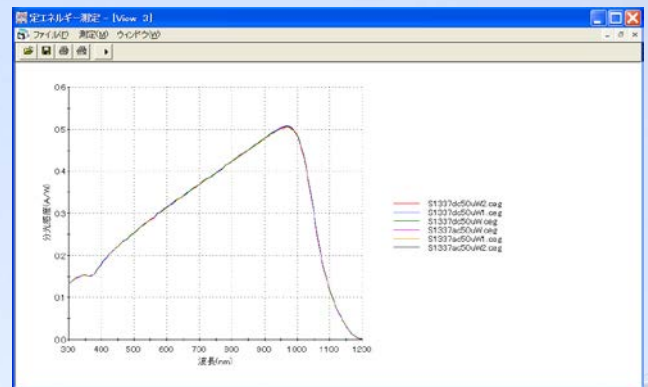


\*Actual color of the instrument is black

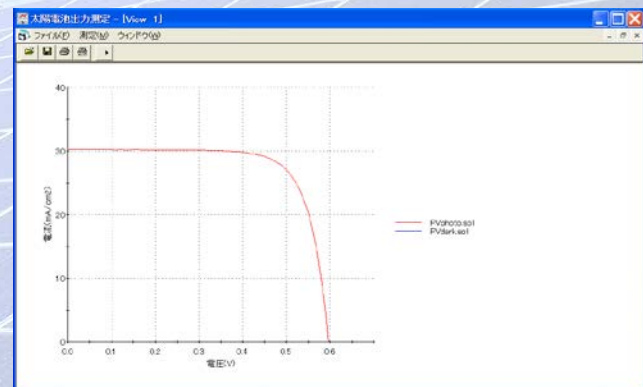
By irradiating monochromatic light on the solar cell in constant energy or constant photons that does not have dependency on the wavelength, the model CEP-25BX is able to measure the spectral response and quantum efficiency of the various kinds of solar cell. A white bias light source is available as a standard which enables the model CEP-25BX to measure the I-V curve with the AM-1.5G filter as a solar simulator easily in addition to spectral response measurement under the pseudo sunlight.

## ■ Specifications

Measurement Items	Spectral response, quantum efficiency, I-V curve
Wavelength range	300~1200nm (extended up to 2000nm as an option)
Monochromatic light	
Light source	Xe + Halogen lamp
Irradiation area	20×20mm
Wavelength purity	Variable, Max. 20nm
Irradiation intensity	5~50μW/cm <sup>2</sup> (350~1200nm)
In-plane uniformity	±2.5%
Constancy of wavelength intensity	±2%
Irradiation mode	Constant energy, constant photons
Measurement mod	DC and AC( 13~100Hz)
White light bias	
Light source	Xe lamp (automatic color bias)
Irradiation area	20×20mm
Spectral match	Class A(0.75~1.25) ( under Japan Industrial Standard)



Example of spectral response data



Example of I-V data

\*The specifications and appearance are subject to change without prior

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