

S-9030

● Features

- High stability and repeatability
- Wide wavelength range (250nm – 3000nm)
- High speed measurement
(20 times higher compared to our old model)

● Applications

- Light classification based on level of photobiological hazard
- Measuring Solar Simulator for SPF
- Measuring lamp spectral Irradiance and color evaluation



Courtesy of JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES

This facility is developed mutually by Soma Optics Ltd. and the Senior Research Scientist of Characterization, Testing and System Team Research Center for Photovoltaics of AIST.



This facility is used AIST's research result. (JP patent 2008-212493)

● Specifications

It's a high level large scaled spectroradiometer which suitable for evaluation in each kind of light source and measurement which required for high accuracy.
To form by using 5 monochromators and light guiding system which suitable for measurement for all range wavelength, It could measure 5 kinds of wavelength ranges QE at the same time.
Our facility is used for reference solar cell calibration, primary calibration equipment in AIST and secondary calibration equipment in JET.

Measuring item : Spectral irradiance ($\mu\text{W}/\text{cm}^2/\text{nm}$)

Calculation item : Classification of spectral match class according to JIS C 8912, JIS C 8933 and IEC 60904-9 (Standard)

Wavelength area : 250~3000nm

Spectrometer : 5 units

Measuring interval : 1nm, 2nm, 5nm, 10nm (250-2500nm via user selectable measuring interval set)

Wavelength resolution : 1~20nm (1-20nm via user selectable slit set)

Calibration standard : Internal Mercury lamp and Argon lamp

※ The specifications and the outer shape would be changed without any notification

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