

Grating Spectroradiometers

LS-100 is a grating spectroradiometer for indoor evaluation of solar simulator designed to calibrate photovoltaic cells. It consists of a grating, diode array and measurement head to measure spectral irradiance in a range of specified wavelength.



Features

- Rapid acquisition
- Software for classifying spectrum according to IEC904-9
- No moving parts
- Much more cheaper than existing equipment
- Light and small (1.8kg, 50x250x150mm)

Specifications

Model	LS-100
Spectral range	350 - 1,050 nm
Spectral interval	3.2nm
Spectral resolution	10nm
Spectral accuracy	< 0.3nm
Aperture angle (Full view angle)	30°
Stray light	0.15%
Exposure time	0.01 - 5 sec
Communication	RS232C
Software	Applicable to MS-Windows 95/98 SPDac-for measurement, SPMan-for data analysis Automatic calculation of spectral match accuracy (IEC904-9)
Unit of output	W/m ² μm
Power supply	DC12V, 0.8A
Size / Weight	50W x 250 D x150 H mm / 1.8kg

Calibration Flow Chart
for LS-100 of Spectroradiometer

