



## LS-100 Spectroradiometer

### Technical Specifications

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Measures spectral irradiance 350 to 1100nm

Calculates the integrated irradiance in the specified spectral range

Calculates the spectral coincidence (JIS C 8912)

Calculates the difference and ratio compared to the standard data

The LS-100 grating spectroradiometer is specifically designed for measuring the spectral irradiance of solar simulators which are used in solar cell research. The LS-100 is calibrated against a NIST-traceable standard lamp. It is compact and very easy to operate. The LS-100 is controlled by a PC via an RS232C cable, so that data can be automatically obtained using the operating software. The measurement/analysis software offers advanced functionalities in order to process the obtained data.

	LS-100
Wavelength range	350 - 1100 nm (50% points)
Optical resolution FWHM	10 nm
Wavelength accuracy	< 3 nm
Operating temperature range	0 - 40 °C
Field of View FOV	30 °
Communication	RS232C
Power consumption	10 W
Power supply	DC12V, 0.8A
Dimensions mm	50 (W) x 250 (D) x 150 (H)
Weight	1.8 kg
Program	Analysis software
OS	Microsoft Windows 7/8/9/10
Functions	Display and analyze data

Specifications are subject to change without further notice.