



## LS-100 Spectroradiometer

### Technical Specifications

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.

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

Specifications are subject to change without further notice.