



## MS-720 Spectroradiometer

### Technical Specifications

Portable reference measurements UV - VIS - NIR

High optical resolution

Made for indoor and outdoor solar research

Robust design no moving parts

Displays Irradiance - Luminance - PAR

The MS-720 portable spectroradiometer is designed to measure the spectral irradiance in the range from Visible to Near-Infrared. The MS-720 is mainly used for the data acquisition for geological features, vegetation, oceanography, remote sensing and other applications. MS-720 is a handheld sensor with an integrated LCD and an internal memory, therefore it is suitable for outdoor stand-alone measurements. A small-sized stable grating spectrometer with photodiode array is integrated. The data can be simply downloaded to a PC by using the MS-720 control software. Several scientific functions are incorporated (e.g calculate the integrated irradiance of a measured spectrum against a reference spectrum).

	<b>MS-720</b>
<b>Wavelength range</b>	350 - 1050 nm (50% points)
<b>Optical resolution FWHM</b>	< 10 nm
<b>Wavelength accuracy</b>	< 0.3 nm
<b>Temperature response 0°C to 40°C</b>	+/- 5 %
<b>Field of View FOV</b>	180 °
<b>Stray light</b>	< 0.15 %
<b>Measurement time</b>	0.005 - 5 s
<b>Data storage</b>	800
<b>Communication</b>	RS-232C / USB
<b>Power supply</b>	AA battery x 4
<b>Operating temperature range</b>	-10 - 40 °C
<b>Dimensions mm</b>	100 (W) x 165 (D) x 60 (H)
<b>Weight</b>	0.72 kg
<b>Power supply (Power Adapter)</b>	100-240VAC, 50/60Hz
<b>Program</b>	Analysis software
<b>OS</b>	Microsoft Windows 7/8/9/10
<b>Functions</b>	Display and analyze data

<b>Options</b>	<b>MS-720</b>
<b>Aperture</b>	45 °
<b>Aperture</b>	25 °
<b>Aperture</b>	10 °