



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).

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

Options	MS-720
Aperture	45 °
Aperture	25 °
Aperture	10 °