



EKO INSTRUMENTS Europe B.V.

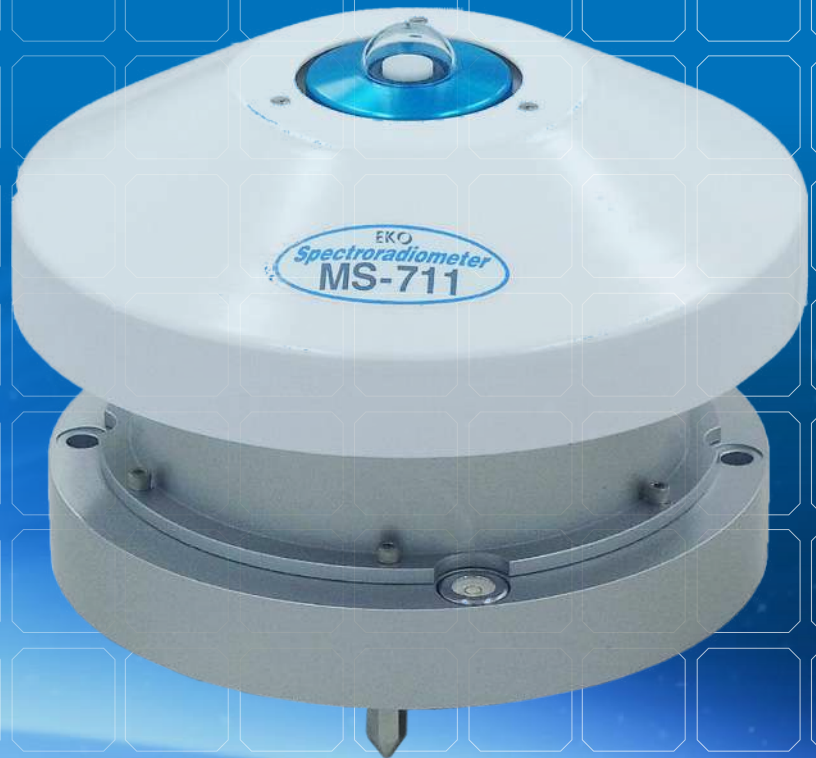
NEW MS-711 SPECTRORADIOMETER

The most reliable solar spectral data.

NEW
2014

ISO

17025 / 9847
Calibration

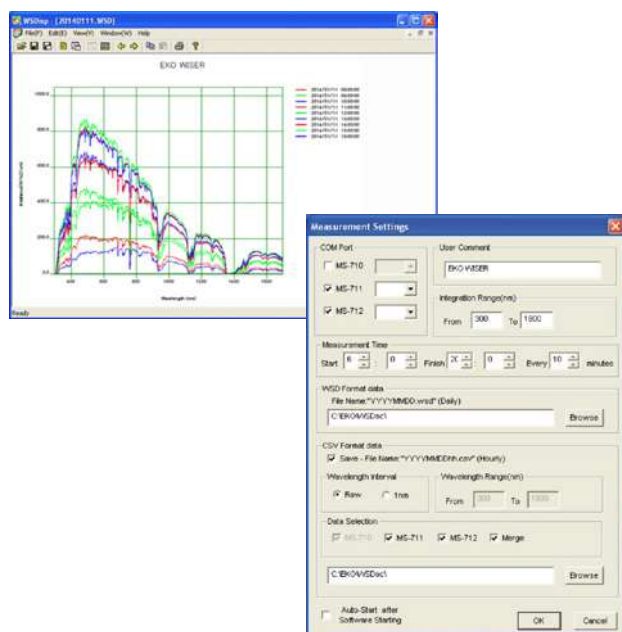


NEW MS-711 SPECTRORADIOMETER

The most reliable solar spectral data.

The MS-711 spectroradiometer is an unique all weather concept, no moving parts, temperature controlled, extensive spectral range from 295nm to 1100nm (UV / Visible / NIR).

The spectroradiometer is accurately calibrated with traceability to the international standards and issued with a calibration uncertainty budget.



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Temperature changes of the detector inside the spectrometer have a strong effect on the measurement uncertainty. Therefore the sensor unit inside the MS-711 main body is accurately controlled at a stable temperature. It provides the best performance in a wide operating temperature range. The rugged optical design of the diffusor and input optics make the MS concept superior to any fiber optic spectroradiometer, which will be susceptible to mechanical vibration and handling. The MS-711 spectroradiometer is designed for permanent installation, but is perfectly suited to be used as a traveling reference.

The spectroradiometer has a separate power supply unit and can be controlled through RS232/422 by a PC or data logger. The standard PC software provides different functions for operating, data management and visualization. When desired customers can create their own software through the open command protocol available.

Items

Power supply:	Input: 100~240VAC, 50/60 Hz Output: 12VDC (50W)
Communication:	RS232 (between power supply and PC)
Operating conditions:	Temperature: -10~+40°C Humidity: 0~90% RH No condensation
Dimension:	320(W) × 240(D) × 180(H) mm
Weight:	1 kg

Specifications MS-711

Wavelength	310 to 1,100nm
Wavelength interval	0.3 ~0.5nm
Spectral resolution	<5nm (1nm data output)
Wavelength accuracy	±0.2nm
Temperature dependency	±1% (-10~ +50°C)
Temperature control	Temperature controlled @ 25°C±2°C
Exposure time	10msec to 5000msec, automatically controlled
Dome material	Synthetic Quartz
Communication	RS422 (between sensor and power supply)
Power supply	12VDC (from power supply unit)
Operating temperature	Temperature: -10~+50°C
Dimension (including cover and dome)	220 (Ø) ×197 (H) mm
Weight (sensor part)	4.5 kg