

MS-710

MS-712

Grating Spectroradi

WISER-35170 can obtain contiguous and high resolution spectral data from 350nm to 1700nm by using two grating spectroradimometers, MS-710 covering visible to near-infrared range and MS-712 for near-infrared band.

The models with blower fan, MS-710F and MS-712F can be also provided.



- Continuous outdoor measurements (weatherproof)
- Spectral radiation measurements (W/m²/μm) from visible to near-infrared range
- Traceable with NIST (National Institute of Standard and Technology) standard lamp

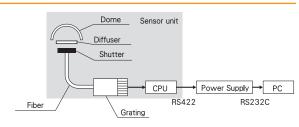
MS-710 features

- Increased channels (4 times in comparison with conventional model, MS-700)
- Short wavelength interval (0.73nm)
- High spectral resolution (<5nm)

MS-712 features

- Short wavelength interval (1.56nm)
- High spectral resolution (<7nm)
- High A/D resolution (16 bit)

STRUCTURE block diagram



APPLICATION

- Long term and continuous observation with weatherproof feature
- · Investigate power generation of PV modules
- · Remote sensing ground truth checking
- · Solar spectrum measurement
- · Research of aerosol
- Research of vegetation (PAR, Photon)
- · Oceanographic (the effect of plankton and red tide etc.)

Specifications

MS-710, MS-710F	MS-712, MS-712F
For visible and NIR	For NIR
350 ~ 1000 nm	900 ~ 1700 nm
1024ch	512ch
0.73nm	1.56nm
< 5nm	< 7nm
±0.2nm	±0.2nm
Si	InGaAs
16bit	16bit
10ms~5000ms	
Dark current is measured in same accumulating time after each signal measurement.	
NIST standard lamp	
RS422/RS232C	
-10~+40°C	
4.5kg (MS-710)	7.5kg (MS-712)
7.5 kg (MS-710F)	12kg (MS-712F)
φ220x175 (MS-710)	φ300x200 (MS-712)
φ260x240 (MS-710F)	φ310x270 (MS-712F)
100~240V AC、50/60Hz	
50W (MS-710)	65W (MS-712)
66W (MS-710F)	81W (MS-712F)
Measurement function (One time measurement, Scheduled measuremet) Analysis function (Data display, Various data calculation, CSV output)	
	For visible and NIR 350 ~ 1000 nm 1024ch 0.73nm < 5nm ±0.2nm Si 16bit 10ms ~ 1









1-6 Sasazuka Center Bldg., 2-chome Sasazuka,Shibuya-ku Tokyo 151-0073,Japan PHONE: 81-3-5352-2913 FAX: 81-3-5352-2917 http://www.eko.co.jp E-mail: info@eko.co.jp