

Grating Spectroradiometers

EKO Grating Spectroradiometers are encased in a weather proof body. This makes continuous field measurements possible, which has been impractical. The main body consists of a optical fiber, grating and diode array. The measurement results are displayed on PC.

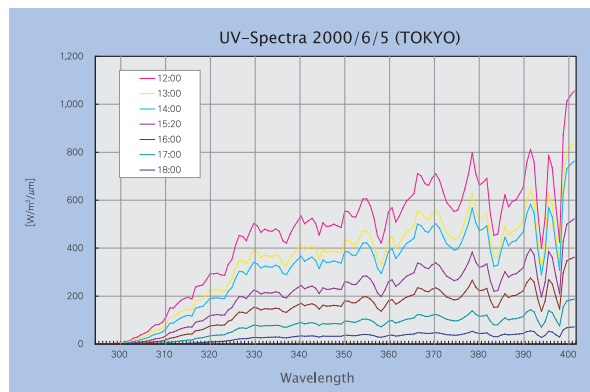
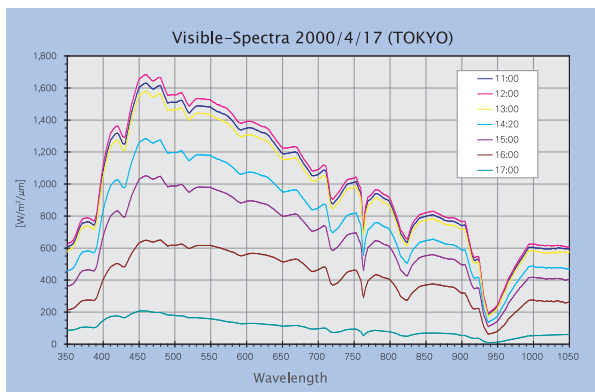
Features

- Continuous outdoor measurements
- Compact size
Dimensions: 240 175mm Weight: 4.0kg
- No moving parts
- Less deterioration due to ageing
- Quick measurement
- Automatic scaling function

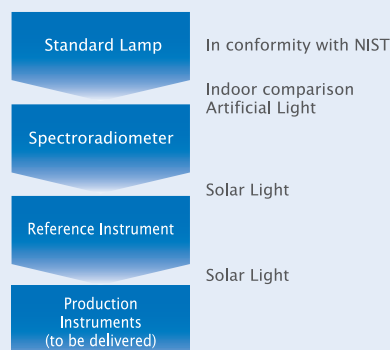
Specifications

	MS-700 (visible)	MS-701 (UV)
Wavelength range	0.35 ~ 1.050 μm	0.3 ~ 0.4 μm
Spectral resolution	10 nm	3 nm
Wavelength interval	3.3 nm	0.8 nm
Temp dependency	$\pm 1.0\%$ (-20 to +50 $^{\circ}\text{C}$)	
Stray light	< 0.1 %	
Exposure time	5 ms to 5 sec, automatically adjustable	5 sec
Communication	RS232C	
Outputs	spectrum, par, photon, lux	spectrum, UV-A and UV-B
Program	Windows 95/98, 2000/XP applicable	
Power requirements	AC85~264V, 50/60Hz, 100W	

Measured Sample



Calibration Flow Chart



Composition

