

# Skyradiometer

## POM-01L

PREDE co.,ltd



### **Features**

A sky radiometer for the routine automated measurement of direct and scattered sun radiation with seven wavelengths from 315 to 1020nm.

It is easy to install, set up and use. The adjustable base platform has a built-in bubble level. The integrated sun sensor provides active sun tracking.

It comes with Windows control and data logging software supplied. The instrument must be connected to the RS232 port to a computer (not included) running the supplied software in order to operate.

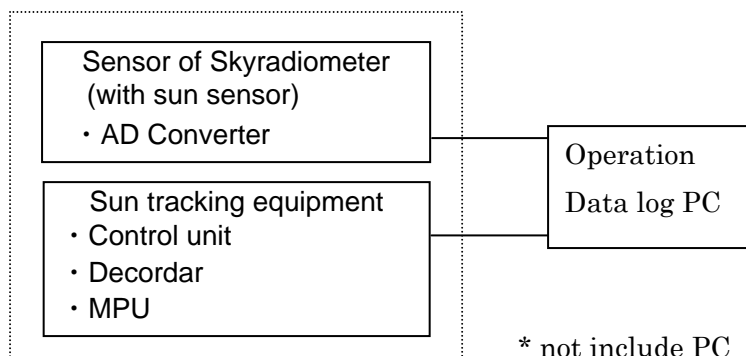
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## Construction



## Specifications

Half field of view	0.5°
Minimum scattering angle	3°
Wavelength	315,400,500,675,870,940,1020 nm
Wavelength selection	Filter wheel method
Detector	Silicon photodiode
Measurement range	2.5mA,250 μ A,25 μ A,250nA,25nA,2.5nA
Motor	Stepping Motor (0.0036degree : 2 axis)
Sun Tracking	Calculation with latitude, longitude and local time (Sun sensor can compensate the position)
Measurement cycle	Time mode , Airmass mode
Scan direction	Combination of horizontal and vertical direction
The number of scattering angle	Maximum 50points
Sun sensor	4silicon sensor
PC interface	RS-232C
Operating temperature	-10~45°C
Power consumption	200W (100V/2A)
Required Power	AC100-240V/2A
Weight	Skyradiometer ; 19kg
	Cable etc ; 4kg