**Feature**
This instrument is the highly efficient following generation Sunphotometer which adopted grating as the spectrometer system.
Basic software operates on Windows and can perform outdoors continuation observation.
Data can carry out a store to a personal computer by RS232C.

**System composition**

![System composition diagram]

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**Specification**

- **Measurement wavelength range**: 350 ~ 1050 nm
- **View half angle**: 1°
- **Slope angle**: 0.5°

**Monocrometer**
- *slit*: 100µm
- *Detector*: Si-CCD
- *Number of channel*: 2048ch
- *Wavelength clearance*: 0.4nm
- *Resolution (FWHB)*: 3.6 nm
- *Minimum unit of wavelength selection*: 1nm
- *Temp control*
- *Communication*: RS232C

**Solar Tracker**
- **Drive system**: double-axle (azimuth, zenith)
- **Drive angle azimuth**: 360deg (south: 0deg, west: +, east: -, north: mechanical limit)
- **Drive angle zenith**: 90degree (horizontal: 0, zenith: +)
- **Resolution**: 0.0036degree
- **Speed**: about 36degree/sec
- **Compensation of tracking**: sun sensor
- **Accuracy of tracking**: < 0.15degree
- **Ambient temperature**: -20 ~ 40
- **Operating power**: AC100V, 2A
- **Heater power**: AC100V, 5A

- **Automatic measurement**
- **All weather types**
- **Temperature control**
- **Communication cable 20m**
- **O,S**: Windows XP
- **Starting of a measurement program**
- **A setup of start time**
- **A setup of end time**
- **A setup of a measurement cycle**
- **A measurement result is saved at a daily file.**
- **Measurement wavelength 20 waves can be taken out arbitrarily.**
- **Total wavelength can also be measured.**

![Wavelength selection screen](image-url)