

E20 SILICON PYRANOMETER



The E20 SILICON PYRANOMETER is designed for routine measurement of solar radiation including following application:

- A. Agricultural evapotranspiration estimation
- B. Meteorological studies
- C. Hydrological studies
- D. Air pollution dispersion calculation
- E. Plant growth studies
- F. Others

The E20 uses a silicon photodiode detector to measure the solar energy received from the sunlight. The E20 SILICON PYRANOMETER, which creates a voltage output that is proportional to the incoming solar radiation. Due to its well design of housing, the fully Cosine-corrected miniature head provides the silicon photodiode detector an accurate and consistent measurement under all weather conditions.

E20 Specifications

Sensitivity	: Typical 48uV/W/m ²
Linearity	: Maximum deviation of 1% up to 3000W/m ²
Accuracy	: ± 3%
Spectral range	: 400 - 1100nm
Response time	: Typical 3us
Operating Temp	: -25°C to +85°C