

MS-602 Pyranometer

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Within the MS-series the MS-602 pyranometer is the smallest true thermopile pyranometer. It is the most economic measurement solution for global solar radiation measurements capturing the full solar spectrum. MS-602 meets the ISO Second Class performance criteria. However, its outstanding temperature dependency characteristics can only be found on higher class pyranometers. This sensor can be found in many meteorological networks and professional small scale PV sites where solar radiation is taken seriously.

Features

- Second Class Pyranometer
- Most Economic Thermopile Sensor
- Low Temperature Dependency Unique In Its Class
- Compact All Weather Sensor



Specs

Specifications (Typical)

ISO 9060 classification

Response time 95% (sec)

Zero offset - Thermal radiation (200W/m²)

Zero offset - Temperature change (5K/hr)

Non-stability (change/year)

Non-linearity (at 1000W/m²)

Directional response (at 1000W/m²)

Spectral selectivity (0.35-1.5μm)

Temp. response (for 50°C band)

Tilt response (at 1000W/m²)

Sensitivity (μV/W•m⁻²)

Impedance (Ω)

Operating temperature range (°C)

Irradiance range (W/m²)

Cable length

Wavelength range

MS-602

Second Class

17

< 10 W/m²

< 6 W/m²

< 1.7 %

< 1.5 %

< 25 W/m²

< 1 %

< 2 %

< 2 %

Approx. 7

20 ~ 140

- 40 to +80

0 - 4000 W/m²

10m

285 to 3000 nm