MS-602 Pyranometer

Technical Specifications

ISO 9060 Second Class Pyranometer

Most economic thermopile sensor

Compact all weather sensor

ISO 17025 certified calibration

5 years warranty

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. 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.

The MS-602 pyranometers are manufactured in a consistent way followed by strict quality inspection and performance evaluation. EKO provides a unique calibration compliant to the international standards defined by ISO/IEC17025/9847.

	MS-602
ISO 9060:1990	Second Class
Output	Analog (mV)
Response time 95%	< 17 Sec.
Zero off-set a) 200W/m²	< 10 W/m²
Zero off-set b) 5K/hr	+/- 6 W/m²
Non-stability change/1 year	+/- 1.7 %
Non-linearity at 1000W/m²	+/- 1.5 %
Directional response at 1000W/m²	< 25 W/m²
Spectral selectivity 0.35-1.5µm	-
Temperature response -10°C to 40°C	< 2 %
Tilt response at 1000W/m²	+/- 2 %
Sensitivity	Approx. 7 µV/W/m²
Impedance	140 Ω
Operating temperature range	-40 - 80 °C
Irradiance range	0 - 2000 W/m²
Wavelength range	285 - 3000 nm (50% points)
Ingress protection IP	67
Cable length	10 m

Options	MS-602
Cable length	20 / 30 / 50 m

Specifications are subject to change without further notice.