



MS-410 Pyranometer

Technical Specifications

ISO 9060 First class

Double dome for lower zero offset

Balance costs and quality

ISO 17025 certified calibration

5 years warranty

The MS-410 First class pyranometer made for routine global solar radiation measurements. The MS-410 is perfectly suited for sampling 10-minute averages of the solar radiative flux in horizontal or tilted configurations. It is fully compliant with the ISO9060 "First Class" norm. The flat sensor surface, coated with a special, highly absorbing black paint, is protected by two transparent hemispheric glass domes. The MS-410 has a practical light-weight anodized aluminum housing and a stable low TC detector. These features, together with the two, high quality machined hemispheric glass domes are the key to the excellent performance characteristics of the MS-410.

The MS-410 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-410
ISO 9060:1990	First Class
Salida	Analog (mV)
Tiempo de respuesta 95%	< 18 Seg.
Cero Offset A 200W/m²	< 6 W/m ²
Cero Offset B 5K/hr	+/- 2 W/m ²
No estabilidad Cambio en 1 año	+/- 1.5 %
No linealidad a 1000W/m²	+/- 1 %
Respuesta direccional a 1000W/m²	< 20 W/m ²
Selectividad espectral 0.35-1.5µm	-
Respuesta de temperatura -10°C a 40°C	+/- 2 %
Respuesta de inclinación a 1000W/m²	< 2 %
Sensibilidad	Approx. 10 µV/W/m ²
Impedancia	140 Ω
Rango de temperatura de trabajo	-40 - 80 °C
Rango de irradiancia	0 - 2000 W/m ²
Rango de longitud de onda	285 - 3000 nm
Protección de ingreso IP	67
Largo de cable	10 m

Options	MS-410
Largo de cable	20 / 30 / 50 m

Specifications are subject to change without further notice.