



TERMOD

SOMOS LA PLATA



Kipp & Zonen Piranómetro SMP3

de producto:

0374900

CLP Precio:

Contacto Termodinámica

The SMP3 is a smart pyranometer with low maintenance and industry standard digital and analogue amplified outputs. Based on the proven CMP3 technology the SMP3 adds Modbus® interface, improved response time and temperature corrected measurement data.

The wide and low power supply range from 5 to 30 VDC makes integration in meteorological stations easy. The SMP is protected against over voltage, reversed polarity and short circuiting.

Because all SMP's have identical sensitivity and connections, exchanging instruments during recalibration is easy. SmartExplorer Windows™ for data logging, display of data and Modbus® address setting is provided as standard.

SMP3 measures global solar radiation on a horizontal plane. When tilted with the same angle as a PV panel it measures the tilted global radiation for PV module efficiency calculations.

ISO / IEC classification

ISO 9060 spectrally flat Class C, with ISO / IEC 17025 calibration.

Minimized maintenance

No desiccant change for 10 years, best MTBF with 5 years warranty.

Smart interface

Modbus RTU interface, wide temperature correction range and very low power consumption. Both digital and analog outputs available. No need to adjust data logger after recalibration.

Especificaciones

Classification:	Spectrally Flat Class C (ISO 9060:2018)
Directional Response:	# ±20 W/m² (up to 80° with 1000 W/m² beam)
Exactitud espectral:	300 to 2800 nm
Grado de protección IP:	IP67
Humedad de operación:	0 to 100 %
Intervalo de mantenimiento y cartucho de secado:	Internal, no replacement necessary
Longitud de cable:	10, 25, 50, 100 m
Material carcasa:	Aluminum, anodized
Non-linearity:	# ±3% (0 to 100 W/m²)
Non-stability:	# ±1% (change/year)
Peso:	300 g
Rango de temperatura de operación:	-40 to +70 °C
Salidas analógicas:	0 to 1 V (V-model) or 4 to 20 mA (A-model)
Salidas digitales:	Modbus RTU 2-wire RS-485
Saturación irradiación:	2000 W/m² (Max.)
Sensibilidad:	n.a.
Temperature Correction:	# ±3 % (-20 to +50 °C)
Tiempo de respuesta:	# 1.5 s (63 %), # 12 s (95 %)
Zero offset A:	# ±15 W/m²
Zero offset B:	# ±5 W/m²