Kipp & Zonen CMP10 Pyranometer

Product #: **0379900**

USD Price: Contact Hach

The CMP10 is the spectrally flat Class A pyranometer with the best price-quality-performance ratio on the market. The CMP10 provides a quality irradiance measuring solution for applications where maintenance is difficult and/or forms a major part of the cost of ownership.

The CMP10 has an internal drying cartridge that will last for at least 10 years if the housing is not opened. This minimizes maintenance significantly.

The interval for dome cleaning can be extended, and the quality of measurements maximized, by fitting CMP10 with the proven CVF4 ventilation unit.

The Pyranometer does not require a dedicated power supply. It generates a low voltage output in the estimated range of 0 to 21 mV relative to an irradiance measurement range of 0 to 1500 W/m². When a higher voltage level or a 4 to 20 mA signal is required, the AMPBOX is the perfect solution.

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

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

CMP series with the world's largest installed base
Well known for high quality, durability and accuracy. The CMP pyranometers require no power, so are ideal for remote sites.

Specifications

Analog Outputs:	0 to 21 mV
Cable Length:	33, 82, 164, 330 ft (10, 25, 50, 100 m)
Classification:	Spectrally Flat Class A (ISO 9060:2018)
Digital Outputs:	N.A.
Directional Response:	# 10 W/m² (up to 80 ° with 1000 W/m² beam)
Drying Cartridge and Maintenance Interval:	Internal, lasts for 10 years, replaced with every recalibration
IP Rating:	IP67

Irradiance Saturation:	4000 W/m² (Max.)
Material Enclosures:	Aluminum, anodised
Non-linearity:	# ±0.2 % (100 to 1000 W/m²)
Non-stability:	# ±0.5 % (change/year)
Operating Humidity:	0 to 100 %
Operating Temperature Range:	-40 - +176 °F (-40 - +80 °C)
Response Time:	# 1.7 s (63 %), # 5 s (95 %)
Sensitivity:	7 - 14 µV/W/m²
Spectral Accuracy:	285 to 2800 nm
Temperature Correction:	# 1 %: +14 - +104 °F (-10 - +40 °C)
Weight:	1.3 lb (600 g)
Zero offset A:	# 7 W/m²
Zero offset B:	# 2 W/m²