



## Kipp & Zonen CMP6 Pyranometer

**Product #:** 0362900  
**USD Price:** Contact Hach

The CMP6 pyranometer is intended for routine global solar radiation measurement research on a plane/level surface. Fully compliant with ISO 9060:2018 specification for a Spectrally Flat Class B, the CMP6 features a sixty-four thermocouple junction (series connected) sensing element.

The sensing element is coated with a highly stable carbon based non-organic coating, which delivers excellent spectral absorption and long-term stability characteristics.

CMP6 has a similar detector to the CMP3 but has improved performance due to the increased thermal mass and the double glass dome construction.

It is ideal for cost-effective, good quality measurements in hydrological networks and agriculture. The integral bubble level is raised to the top of the housing and can be viewed without removing the redesigned snap-on sun shield, which also covers the connector. The connector with gold-plated contacts allows for easy exchange and re-calibration. The screw-in drying cartridge is easy to remove and the replacement desiccant is supplied in convenient refill packets.

The Pyranometer does not require a dedicated power supply. It generates a low voltage output in the estimated range of 0 to 30 mV relative to an irradiance measurement range of 0 to 1500 W/m<sup>2</sup>. 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 B, with ISO / IEC 17025 calibration.

### Minimized maintenance

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.

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## Specifications

Analog Outputs:	0 to 30 mV
Cable Length:	33, 82, 164, 330 ft (10, 25, 50, 100 m)

Classification:	Spectrally Flat Class B (ISO 9060:2018)
Digital Outputs:	N.A.
Directional Response:	# $\pm 20$ W/m <sup>2</sup> (up to 80° with 1000 W/m <sup>2</sup> beam)
Drying Cartridge and Maintenance Interval:	External, replacement after approx. 6 months
IP Rating:	IP67
Irradiance Saturation:	2000 W/m <sup>2</sup> (Max.)
Material Enclosures:	Aluminum, anodized
Non-linearity:	# $\pm 1\%$ (100 to 1000 W/m <sup>2</sup> )
Non-stability:	# $\pm 1\%$ (change/year)
Operating Humidity:	0 to 100%
Operating Temperature Range:	-40 to +80 °C
Response Time:	# 6 s (63%), 12 s (95%)
Sensitivity:	5 to 20 $\mu$ V/W/m <sup>2</sup> # 4% (-10 to +40 °C)
Spectral Accuracy:	285 to 2800 nm
Temperature Correction:	# $\pm 2\%$ (-10 to +40 °C)
Weight:	1.3 lb (600 g)
Zero offset A:	# $\pm 8$ W/m <sup>2</sup>
Zero offset B:	# $\pm 2$ W/m <sup>2</sup>