

## Kipp & Zonen CMP6 Pyranometer

### CMP6

The CMP 6 pyranometer is intended for routine global solar radiation measurement research on a plane/level surface. Fully compliant with ISO 9060:1990 specification for a First Class pyranometer, the CMP 6 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. Reliable all weather performance.



IM506D

IM507D

IM508D

CZ-LITE

CMP3

CMP6

CMA6

LP02

<b>ISO 9060:1990 CLASSIFICATION</b>	Second Class
<b>Response time (95 %)</b>	< 18 s
<b>Zero offsets</b> (a) thermal radiation (200 W/m <sup>2</sup> ) (b) temperature change (5 K/hr)	< 15 W/m <sup>2</sup> < 5 W/m <sup>2</sup>
<b>Non-stability (change/year)</b>	< 1 %
<b>Non-linearity (0 to 1000 W/m<sup>2</sup>)</b>	< 1 %
<b>Directional error (up to 80° with 1000 W/m<sup>2</sup> beam)</b>	< 20 W/m <sup>2</sup>
<b>Temperature dependence of sensitivity</b>	< 5 % (-10°C to +40°C)
<b>Tilt error (at 1000 W/m<sup>2</sup>)</b>	< 1 %
<b>Sensitivity</b>	5 to 20 μV/W/m <sup>2</sup>
<b>Impedance</b>	20 to 200 Ω
<b>Level accuracy</b>	1°
<b>Operating temperature</b>	-40°C to +80°C
<b>Spectral range (50 % points)</b>	300 to 2800 nm
<b>Typical signal output for atmospheric applications</b>	0 to 20 mV
<b>Maximum irradiance</b>	2000 W/m <sup>2</sup>
<b>Part.no. CMP6</b>	Kipp & Zonen Pyranometer with holder and 5 m cable