

## Kipp & Zonen CMA6 Albedometer

IM506D  
 IM507D  
 IM508D  
 CZ-LITE  
 CMP3  
 CMP6  
**CMA6**  
 LP02



### CMA6

The CMA albedometers are double pyranometers that measure both global and reflected solar irradiance in one instrument. CMA albedometers are suitable for measuring global radiation and/or albedo over many differing types of surface. The upper pyranometer measures incoming global solar radiation and the lower sensor measures solar radiation reflected from the surface below. CMA 6 is constructed around two CMP 6 pyranometer sensors.

<b>ISO 9060:1990 CLASSIFICATION</b>	First 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)	< 12 W/m <sup>2</sup> < 4 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>	< 4 % (-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>	0.1°
<b>Operating temperature</b>	-40°C to +80°C
<b>Spectral range (50 % points)</b>	285 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. CMA6</b>	Kipp & Zonen CMA6 Albedometer with holder and 5 m cable