# CMA 6

**CMA 6** is an ISO First Class albedometer that uses two CMP 6 pyranometer detector assemblies built into a single housing. An integrated glare screen prevents direct illumination of the lower domes at sunrise and sunset, and a screw-in drying cartridge keeps the interior free from humidity. A mounting rod is fitted to provide easy attachment to a mast in combination with the CMB 1 mounting bracket.

Its good quality and cost-effectiveness make CMA 6 ideal for meteorology, hydrology and agriculture. The light weight is ideal for portable applications.

## Specifications

| | |
|---|---|
| ISO CLASSIFICATION | First Class |
| Response time (95 %) | < 18 s |
| Zero offsets<br>(a) thermal radiation (200 W/m²)<br>(b) temperature change (5 K/hr) | <br>< 15 W/m²<br>< 4 W/m² |
| Non-stability (change/year) | < 1 % |
| Non-linearity (0 to 1000 W/m²) | < 1 % |
| Directional error (at 80 ° with 1000 W/m² beam) | < 20 W/m² |
| Temperature dependence of sensitivity | < 4 % (-10 °C to +40 °C) |
| Tilt error (at 1000 W/m²) | < 1 % |
| **Other specifications** | |
| Sensitivity | 7 to 20 µV/W/m² |
| Impedance | 20 to 200 Ω |
| Level accuracy | 0.5 ° |
| Operating temperature | -40 °C to +80 °C |
| Spectral range (50 % points) | 310 to 2800 nm |
| Typical signal output for atmospheric applications | 0 to 15 mV (upper)<br>0 to 10 mV (lower) |
| Maximum irradiance | 2000 W/m² |
| Mounting rod (fixed) | 350 mm long x 16 mm Ø |

| Article | Part number |
|---|---|
| **CMA 6 Albedometer** • 10 m cable | **0362950-002** |
| Options for CMA 6 | |
| CMA 6 Albedometer • 25 m cable | 0362950-004 |
| CMA 6 Albedometer • 50 m cable | 0362950-005 |
| CMA 6 Albedometer • plug only, no cable | 0362950-008 |
| 100 m cable | On request |

*Note: CMA 6 can be used with the AMPBOX but it has two individual outputs, so 2 x AMPBOX are required.*
*Each AMPBOX is adjusted so that 4-20 mA output = 0-1600 W/m²*

| Accessories for CMA 6 | Part number |
|---|---|
| **Desiccant Refill Pack**, minimum order 10 packs | **2643951** |
| **CMB 1 Mounting Bracket**<br>To enable easy attachment of the mounting rod to a pole or a wall | **0369701** |

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