

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.

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
<i>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</i>	

Specifications

ISO CLASSIFICATION	First Class
Response time (95 %)	< 18 s
Zero offsets	
(a) thermal radiation (200 W/m ²)	< 15 W/m ²
(b) temperature change (5 K/hr)	< 4 W/m ²
Non-stability (change/year)	< 1 %
Non-linearity (0 to 1000 W/m ²)	< 1 %
Directional error (at 80 ° with 1000 W/m ² beam)	< 20 W/m ²
Temperature dependence of sensitivity	< 4 % (-10 °C to +40 °C)
Tilt error (at 1000 W/m ²)	< 1 %

Other specifications

Sensitivity	7 to 20 µV/W/m ²
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) 0 to 10 mV (lower)
Maximum irradiance	2000 W/m ²
Mounting rod (fixed)	350 mm long x 16 mm Ø

Accessories for CMA 6

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