



Kipp & Zonen CMP22 Pyranometer

Product Images



Short Description

The CMP 22 has all the features of the CMP 21 but uses very high quality quartz domes for a wider spectral range.

Description

The CMP 22 has all the features of the CMP 21 but uses very high quality quartz domes for a wider spectral range, improved directional response, and reduced thermal offsets. The directional error is reduced below 0.5% up to 80 ° solar zenith angle because of the high optical quality of these domes . Kipp & Zonen are

confident that CMP 22 is the best pyranometer currently available.

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 screw-in drying cartridge is easy to remove and the replacement desiccant is supplied in convenient refill packets.

A waterproof socket is fitted for the signature yellow signal cable, which is available in a range of lengths pre-wired to the waterproof plug.

The Pyranometer does not require any power as it supplies a low voltage of 0-20mV in relation to the amount of incoming radiation. When a higher voltage level or a 4-20mA signal is required, the AMPBOX is the perfect solution.

PRODUCT SPECIFICATION:

- Spectral range 200 to 3600 nm
- Sensitivity 7 to 14 µV/W/m²
- Response time 5 s
- Zero offset A < 3 W/m²
- Zero offset B < 1 W/m²
- Directional error (up to 80 ° with 1000 W/m² beam) < 5 W/m²
- Temperature dependence of sensitivity (-20 °C to +50 °C) < 0.5 %
- Operating temperature range -40 °C to +80 °C
- Maximum solar irradiance 4000 W/m²
- Field of view 180 °

Additional Information

Brand	Kipp & Zonen
Typical applications	Energy, Environmental (Outdoor), Non Specific, Weather Monitoring
Measurements	Solar Radiation