



# Kipp & Zonen CMP10 Pyranometer

## Product Images



## Short Description

The CMP10 is the secondary standard pyranometer with the best price-quality-performance ratio on the market. Based on the established CMP11 technology, CMP10 extends this quality to applications where maintenance is difficult and/or forms a major part of the cost of ownership.

## Description

### Key Features

- ISO 9060 Secondary Standard
- No desiccant inspection or change for 10 years
- Minimised maintenance
- 5 year full warranty \*
- Lowest cost of ownership
- Best price / performance ratio
- Proven technology

The CMP10 has an internal drying cartridge that will last for at least 10 years if the housing is not opened. This minimises maintenance significantly.

The interval for dome cleaning can be extended, and the quality of measurements maximised, by fitting CMP10 with the recently launched CVF4 ventilation unit.

(\*) This product will need to be registered by the end-user within 6 months of purchase to activate the 5 year warranty.

## Additional Information

| Explanation          | Technical Specifications                                              |                                           |
|----------------------|-----------------------------------------------------------------------|-------------------------------------------|
|                      | Spectral range (50% points)                                           | 285 to 2800 nm                            |
|                      | Sensitivity                                                           | 7 to 14 $\mu\text{V}/\text{W}/\text{m}^2$ |
|                      | Response time                                                         | < 5 s                                     |
|                      | Zero offset A                                                         | < 7 $\text{W}/\text{m}^2$                 |
|                      | Zero offset B                                                         | < 2 $\text{W}/\text{m}^2$                 |
|                      | Directional response (up to 80° with 1000 $\text{W}/\text{m}^2$ beam) | < 10 $\text{W}/\text{m}^2$                |
|                      | Temperature dependence of sensitivity (-10 °C to +40 °C)              | < 1 %                                     |
|                      | Operational temperature range                                         | -40 °C to +80 °C                          |
|                      | Maximum solar irradiance                                              | 4000 $\text{W}/\text{m}^2$                |
|                      | Field of view                                                         | 180 °                                     |
| Ideal For            | Professional                                                          |                                           |
| Brand                | Kipp & Zonen                                                          |                                           |
| Typical applications | Energy, Environmental (Outdoor), Weather Monitoring                   |                                           |
| Measurements         | Solar Radiation                                                       |                                           |

# Additional Options

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|                                                                        |                                                                 |
|------------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>Kipp &amp; Zonen 10m Cable (required for the CMP10 to function)</b> | 10m Cable - pre-wired with waterproof 2-pin plug (SKU: 0362601) |
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