

## Specifications

### Power Requirements

10 to 30 VDC at 50mA

### Operating Environment

Temperature: - 40° to 80°C (- 40° to 176°F)  
Relative Humidity: 0-100%, Condensing

### Irradiance Sensor (Kipp & Zonen CMP 3)

ISO 9060:1990 Classification: Second Class  
Sensor Range: 0 to 2000 W/m<sup>2</sup>  
Accuracy: +/-5%  
Spectral Range: 285 ~ 2800 nm  
Response Time to 95%: < 18 s  
Response Time to 63%: < 6 s  
Non-Linearity (0~1000 W/m<sup>2</sup>): < 1%  
Non-Stability (Change/Yr): < 1%  
Cosine Response 45°: +/-1%  
Cosine Response 75°: +/-5%  
Operational Temperature: -25° to 55°C (-13° to 131°F)  
Resolution: 1 W/m<sup>2</sup>

### Ambient Air Temperature Sensor

Range: - 40° to 80°C (- 40° to 176°F)  
Accuracy: +/- 0.3°C (.54°F)  
Thermal Time Constant: 30 sec.  
Resolution: 0.1°C

### Back of Module (BOM) Temperature Sensors:

Range: - 40° to 80°C(- 40° to 176°F)  
Accuracy: +/- 0.3°C (.54°F)  
Thermal Time Constant: 270 sec.  
Cable Length: 7.62m (25 ft)  
Resolution: 0.1°C

### RS-485/422 Serial Port

Mode: 2-Wire Half Duplex  
Connector: 4-Position Screw Terminal ( A(-), B(+), Signal and Earth Ground)  
Max Speed: 9600 Baud  
Termination: 120 ohms (Internal Jumper Enable)

### Materials

Polyvinyl Chloride, Acrylonitrile Butadiene Styrene, Stainless Steel, Anodized Aluminum, Lexan®, Delrin

### Electronics:

Lead-free RoHS Compliant

### Physical:

Packaged Dimensions: 6 cm x 20.3 cm x 20.3 cm (10.25" x 8" x 8")  
Packaged Weight: 0.8 kg (1 lb. 12oz.)

### Warranty

2 Years