

Specifications

PVmet™ – 200US

Power Requirements

10 to 30 VDC at 50mA

Operating Environment

Temperature: - 40° to 60°C (- 40° to 140°F)
Relative Humidity: 0-100%, Condensing

Global and Plane-of-Array (POA) Irradiance Sensors

Sensor Range: 0 to 1750 W/m²
Accuracy: +/-5%
Cosine Response 45°: +/-1%
Cosine Response 75°: +/-5%
Operational Temperature: - 25° to 55°C (-13° to 131°F)
Resolution: 1W/m²

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

Ultra Sonia Anemometer

Speed

Range: 0.25-45 m/s (0.56 - 100 MPH)
Sensitivity: 0.13 m/s (0.29 MPH)
Independent of weather conditions
Resolution: 0.1 m/s

Direction

Range: 0-359 °
Sensitivity: +/- 1°
Resolution: 1°

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®, Makrolon® 2658.

Electronics:

Lead-free RoHS Compliant

Physical:

Packaged Dimensions: 73.99cm x 35.56cm x 20.32cm (29" x 14" x 8")
Packaged Weight: 3.17 kg (7 lbs.)

Warranty

2 Years