

# PVMet™ 200

The PVMet 200 is our best-selling commercial model featuring the highest caliber PV and wind sensors. The PVMet 200 includes both a Global and Plane-of-Array Irradiance Sensor, up to two Back-of-Panel Temperature Sensor(s), an Ambient Air Temperature Sensor, and a Wind Speed and Direction Sensor. Simple to install on any solar project, the PVMet 200 connects to Modbus RTU Communication with an Ethernet TCP option available. Ships fully assembled and factory calibrated.

## SPECS

Power Specifications	
Power Requirements	10 to 30VDC at less than 50mA
Operating Environment	
Temperature	-40°C to 60°C (-40 to 140°F)
Relative Humidity	0-100% Condensing F
Irradiance Sensor	
Range	0-1750 W/m <sup>2</sup>
Accuracy	+/-5%
Cosine Response	45° +/-1%
Cosine Response	75° +/-5%
Operational Temperature	-25 to 55°C (-13 to 131°F)
Resolution	1W/m <sup>2</sup>
Ambient Air Temperature Sensor	
Range	-40 to 80°C (-40 to 176°F)
Accuracy	+/- 0.3°C (0.54°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 (0.54°F)
Thermal Time Constant	270 sec.
Cable Length	7.62m (25 ft)
Resolution	0.1°C

specs cont. →

Transform weather uncertainty into operational confidence with the accuracy and reliability of RainWise. Request a Quote Today!

Eric Rollins

[erollins@rainwise.com](mailto:erollins@rainwise.com)



[www.rainwise.com](http://www.rainwise.com)



- » 2x Irradiance Sensors (Global and Plane-of-Array)
- » Ambient Air Temperature Sensor
- » Up to 2 Back of Panel Temperature Sensors
- » Fully Assembled
- » SunSpec Compliant
- » Factory Tested
- » Easy Installation
- » TCP option available

DESIGNED AND BUILT IN THE USA

# PVMet™ 200

## SPECS

Anemometer	
Operational Temperature	-40 to 60°C (-40 to 140°F)
Speed Range	0 - 67 m/sec (150 mph)
Speed Accuracy	Greater of 0.45m/sec. (1 mph) or 5%
Speed Threshold	0.45m/sec. at a 10% Deflection
Speed Resolution	1 m/s
Direction Range	360°
Direction Resolution	22.5°
Direction Accuracy	+/- 11.25°
RS-485/422 Serial Port	
Mode	2-wire half duplex
Connector	4-position screw terminal
Max Speed	9600 bps
Max. Modbus Poll Rate:	100 ms.
Termination	120 ohms (internal jumper enable)

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[erollins@rainwise.com](mailto:erollins@rainwise.com)

