Specifications

PVmet™ – 150

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)

IS0 9060:1990 Classification	Second Class
Sensor Range:	0 to 2000 W/m^2
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^2):	< 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^2

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