

PVmet™ Meteorological Stations

www.rainwise.com

PVmet™-75

The PVmet™-75 is an aggressively priced model, featuring RainWise's own amplified silicon irradiance sensor and other sensors specific to PV power generation. The PVmet™-75 low cost station is compact and simple to install. The price level makes it feasible for both residential and commercial PV monitoring projects.

FEATURES

- Proprietary Irradiance sensor can be configured for either Global or Plane-ofArray monitoring
- Back-of-Panel PV Temperature Sensor
Thermal Conductive Self-Adhesive Aluminum Housing
- Ambient Air Temperature Sensor
- MODBUS RS-485 Communication
- Ethernet MODBUS TCP option available
- SunSpec Compatible



SENSORS

The RainWise irradiance sensor can be mounted on top of the PVmet™-75 sensor assembly for Global mode, or it can be mounted to match the Photo Voltaic panel angle with the included bracket for Plane-Of-Array mode. The irradiance sensor comes with 25ft of cable for mounting options.



INSTALLATION

The PVmet™-75's compact, lightweight design makes installation quick and easy. Various mounting options are available, including the RainWise Mono Mount. The PVmet™-75 is supplied with a detachable mast section that can be bolted to an existing structure. The PVmet-75 is pre-tested and ships to you fully-assembled and ready to use.



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PVmet™-100

The PVmet™-100 is our Standard model option. It features sensors specific to PV power generation. This low cost station is compact and easy to install.

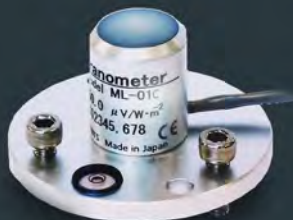
FEATURES

- Proprietary Irradiance sensor can be configured for either Global or Plane-of-Array monitoring
- Back-of-Panel PV Temperature Sensor Thermal Conductive Self-Adhesive Aluminum Housing
- Ambient Air Temperature Sensor
- MODBUS RS-485 Communication
- Ethernet MODBUS TCP option available
- SunSpec Compatible



SENSORS

The **EKO ML-01C** is an industrial grade solar sensor for Quantitive radiation measurements in the fields of photovoltaics, horticulture, agriculture and industry. This sensor is easily integrated into any application.



EKO
ML-01C Silicon Diode

INSTALLATION

The PVmet™-100's compact, lightweight design makes installation quick and easy. Various mounting options are available, including the RainWise Mono Mount. The PVmet™-75 is supplied with a detachable mast section that can be bolted to an existing structure. The PVmet-100 is pre-tested and ships to you fully-assembled and ready to use.



PVmet™ Meteorological Stations

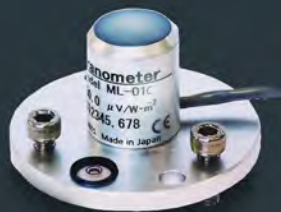
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PVmet™-200

The PVmet™-200 is our commercial model option. This low cost station is compact and simple to install and features sensors specific to PV power generation. As with all PVmet™ stations it includes a RS-485 MODBUS interface. Sensors & Options Ambient Air Temperature Housed in a passive solar shield.

FEATURES

- Adjustable Solar Global Irradiance Sensor
- Plane-of-Array Irradiance Sensor
- Back-of-Panel PV Temperature Sensor Thermal Conductive Self-Adhesive Aluminum Housing
- Ambient Air Temperature Sensor
- Wind Speed sensor
- Wind Direction Sensor
- MODBUS RS-485 Communication
- Ethernet MODBUS TCP Option Available
- SunSpec Certified



EKO
ML-01C Silicon Diode

SENSORS

The **EKO** ML-01C is an industrial grade solar sensor for Quantitive radiation measurements in the fields of photovoltaics, horticulture, agriculture and industry. This sensor is easily integrated into any application.

INSTALLATION

The PVmet™-200 's compact, lightweight design makes installation quick and easy. Various mounting options are available, including the RainWise Mono Mount. The PVmet™-200 is supplied with a detachable mast section that can be secured to an existing structure. The PVmet-200 is pre-tested and ships to you fully-assembled and ready to use.



PVmet™ Meteorological Stations

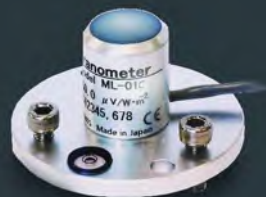
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PVmet™-200 US

The PVmet™-200US ultra sonic commercial model features all the same high quality sensors as our best selling PVmet™-200, upgraded with a precision Ultra Sonic anemometer. The Ultra Sonic anemometer offers a superior quality sensor with no moving parts greatly increasing it's durability and practically eliminating maintenance. As with every model in the PVmet™ line of weather stations, this high performing station is economical, durable, compact, simple to install, and easy to deploy.

FEATURES

- Adjustable Solar Global Irradiance Sensor
- Plane-of-Array Irradiance Sensor
- Back-of-Panel PV Temperature Sensor
Thermal Conductive Self-Adhesive Aluminum Housing
- Ambient Air Temperature Sensor
- Wind Speed Sensor
- Wind Direction Sensor
(The PVmet-200 has been upgraded with a high precision Ultrasonic Anemometer for wind and speed direction. The Ultrasonic Sensor has no moving parts which enhances sensor durability and reduces maintenance. Marine grade corrosion free construction.)
- MODBUS RS-485 Communication
- Ethernet MODBUS TCP Option Available
- SunSpec Compatible



EKO
ML-01C Silicon Diode

SENSORS

The **EKO ML-01C** in an industrial grade solar sensor for Quantitive radiation measurements in the fields of photovoltaics, horticulture, agriculture and industry. This sensor is easily integrated into any application.

INSTALLATION

The PVmet-200US compact, lightweight design makes installation quick and easy. The PVmet™-200US is supplied with a detachable mast section that can be secured to an existing structure. For OEM customers the PVmet™-200US can be supplied with factory installed power and communication cable. This completely eliminates the need for the installer to remove the cover. The PVmet-200US is pre-tested and ships to you fully-assembled and ready to use.



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PVmet™-330

The PVmet™- 330 is our Complete Weather Data station. It features sensors specific to PV power generation. This low cost station, full data station is compact and simple to install.

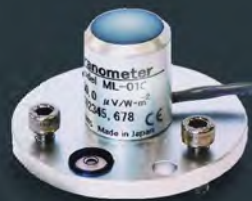
FEATURES

- Global Solar Irradiance Sensor
- Optional Plane of Array Irradiance Sensor
- Back-of-Panel PV Temperature Sensor
Thermal Conductive Self-Adhesive Aluminum Housing
- Ambient Air Temperature Sensor
- Wind Speed Sensor
- Wind Direction Sensor
- Relative Humidity Sensor
- Barometric Pressure Sensor
- Rain Gauge Sensor
- Ethernet MODBUS TCP Option Available
- Available with Private Labeling for OEM
- SunSpec Pending



SENSORS

The **EKO** ML-01C is an industrial grade solar sensor for Quantitative radiation measurements in the fields of photovoltaics, horticulture, agriculture and industry. This sensor is easily integrated into any application.



EKO
ML-01C Silicon Diode

INSTALLATION

The PVmet™- 330's compact, lightweight design makes installation quick and easy. Various mounting options are available, including the RainWise Mono Mount. The PVmet™- 330 is supplied with a detachable mast section that can secure to an existing structure. The PVmet-330 is pre-tested and ships to you fully-assembled and ready to use.



PVmet[™] Meteorological Stations

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PVmet[™]-150

The PVmet[™]-150 is our Precision Utility Grade model for users who require the highest caliber sensors for exceptionally accurate data. The PVmet[™]-150 uses a precise secondclass thermopile pyranometer allowing for dependably bankable data and is mounted on a tilting bracket to provide global or plane-of-array measurements. The PVmet[™]-150 is available with ISO 9060:1990 and WMO second-class, first class and secondary standard pyranometers. These well-designed and affordable stations are sturdy, compact and simple to install.

FEATURES

- Adjustable Solar Irradiance Sensor for Global or Plane-of-Array monitoring
- Back-of-Panel PV Temperature Sensor Thermal Conductive Self-Adhesive Aluminum Housing
- Ambient Air Temperature Sensor
- Additional Irradiance Sensor Option
- Available with Private Labeling for OEM
- MODBUS RS-485 Communication
- Ethernet MODBUS TCP Option Available
- SunSpec Certified



SENSORS

Within the **EKO** MS-pyranometer series the MS-602 is the most compact thermopile pyranometer. It is a cost-effective solution for global solar radiation measurements. MS-602 meets the ISO Second Class performance criteria. This radiation sensor is used in many meteorological networks and professional small-scale PV sites where reliability matters.



EKO
*MS-80 Thermopile Pyranometer

MS-602 (Default Sensor)
(Optional Sensors)
MS-402, MS-410, MS-80*, MS-802
ML-01C Silicon Diode

INSTALLATION

The PVMET-150's compact, lightweight design makes installation quick and easy. Various mounting options are available, including the RainWise Mono Mount. The PVMET-150 is supplied with a detachable mast section that can bolt to an existing structure. The PVmet-150 is pre-tested and ships to you fully-assembled and ready to use.



PVmet[™] Meteorological Stations

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PVmet[™]-150 200 Combo

The PVmet[™]-150/200 Combo combines the Thermopile precision irradiance sensors of our PVmet[™]-150 with the wind speed and direction sensors from our PVmet[™]-200. The PVmet[™]-150/200 Combo uses precise second-class thermopile pyranometers allowing for dependably bankable data. They come with adjustable tilting brackets to provide global or plane-of array measurements. The PVmet[™]-150/200 Combo is comes with ISO 9060:1990, WMO secondclass pyranometers, and can be upgraded to first class or secondary standard pyranometers. These well-designed and affordable stations are sturdy, compact and simple to install.

FEATURES

- Global Solar Irradiance Sensor
- Optional Plane-of-Array Irradiance Sensor
- Back-of-Panel PV Temperature Sensor
Thermal Conductive Self-Adhesive Aluminum Housing
- Ambient Air Temperature Sensor
- Wind Speed Sensor
- Wind Direction Sensor
- Ethernet MODBUS TCP Option Available
- Available with Private Labeling for OEM
- SunSpec Certified



SENSORS

The **EKO** ML-01C in an industrial grade solar sensor for Quantitive radiation measurements in the fields of photovoltaics, horticulture, agriculture and industry. This sensor is easily integrated into any application.



EKO *MS-802

MS-602 (Default Sensor)
(Optional Sensors)
MS-402, MS-410, MS-80, MS-802*
ML-01C Silicon Diode

INSTALLATION

The PVmet[™]-150/200 Combo's compact, lightweight design makes installation quick and easy. Various mounting options are available, including the RainWise Mono Mount. The PVmet[™]- 150/200 Combo is supplied with a detachable mast section that can be bolted to an existing structure.

