Anemometer

Includes both wind speed and wind direction sensors. Rugged components stand up to hurricane-force winds, yet are sensitive to the lightest breeze. Wind-tunnel tested to speeds in excess of 170 miles per hour. Sealed stainless steel ball bearings for long life. Comes complete with mounting hardware.

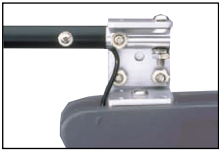**7911 Anemometer** for GroWeather   W240,000
Includes 40' (12 m) cable. Use Standard 4-Conductor Extension Cable. Maximum cable length is 250' (76 m) from anemometer to sensor interface module.
7876-008 Cable, 8' (2.4 m) W20,000   7876-100 Cable, 100' (30 m) W80,000
7876-040 Cable, 40' (12 m) W36,000   7876-200 Cable, 200' (60 m) W140,000

Top mount

Side mount

Anemometer Mast Mount

Used for special mounting situations such as sailboat mastheads. Not required for most installations. Brackets attach to virtually any surface—vertical or horizontal, curved or flat—and allow adjustment to level.
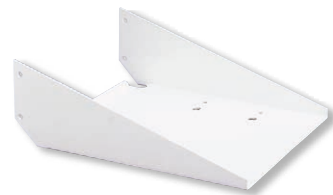**7890 Anemometer Mast Mount** W32,000

Rain Collector

Designed to meet the guidelines of the World Meteorological Organization, our self-emptying tipping-bucket design is exceptionally accurate. Choose 0.01" or 0.2 mm increments.

7852 Rain Collector, 0.01" for Wizard, Monitor, or GroWeather W150,000
Add the suffix M for 0.2 mm Rain Collector. Includes 40' (12 m) cable. Use Standard 4-Conductor Extension Cable. Maximum cable length is 900' (270 m) from rain collector to Wizard or Monitor console (including junction box cable) or GroWeather sensor interface module.
7876-008 Cable, 8' (2.4 m) W20,000   876-040 Cable, 40' (12 m) W36,000   7826-100 Cable, 100' (30 m) W80,000 7876-200 Cable, 200' (60 m) W140,000

Rain Collector Shelf

Provides a horizontal surface for mounting the Rain Collector. May be used with Sensor Mounting Arm or mounted on other structures or surfaces. Aluminum shelf is white powder coated for added durability.

7704 Rain Collector Shelf   W70,000

Rain Collector Heater

For use in cold climates to measure freezing rain or the moisture content of snowfall. Requires access to AC power; may not be run using a solar power kit. Includes 24-watt, 24-volt heater with thermal cut-off switch, control unit, insulating reflective blanket, and AC-power adapter.

7720 Rain Collector Heater W320,000
Includes 50' (15 m) cable. Use Shielded 2-Twisted Pair Extension Cable. Maximum cable length is 120' (36 m).
7884-050 Cable, 50' (15 m) W56,000
7884-100 Cable, 100' (30 m) W104,000

Leaf Wetness Sensor

To indicate the presence of surface moisture on foliage with range from 0 to 15.

6420 Leaf Wetness Sensor for Leaf & Soil Moisture/Temperature Station W170,
Includes 40' (12 m) cable. Extension cables may not be used with this station.
7846 Leaf Wetness Sensor for GroWeather W170,000
Includes 40' (12 m) cable. Use Standard 6-Conductor Extension Cable. Maximum cable length is 125' (38 m) from sensor to sensor interface module.
7878-040 Cable, 40' (12 m) W44,000

Solar Radiation Sensor

Sensor Mounting Arm

Anemometer

Rain Collector

Rain Collector Shelf

Leaf Wetness Sensor

Radiation Shield

Complete System Shelter

Solar Power Kit

Temperature Sensor & Probe

Use to measure air, soil, or water temperature. Sensor features black UV-stabilized plastic sheath. Probe features 2½" (64 mm)-long stainless steel housing.

6470 Temperature Probe for Leaf & Soil Moisture/Temperature Station W80,000
Includes 25' (7.6 m) cable. Extension cables may not be used with this station.
7817 Temperature Sensor for Wizard, Monitor, or GroWeather W36,000
7818 Temperature Probe for Wizard, Monitor, or GroWeather W60,000
Both include 25'(7.6 m) cable. Use Standard 4-Conductor Extension Cable. Maximum cable length is 300' (90 m) from sensor to console (including junction box or sensor interface module cable).
7876-008 Cable, 8' (2.4 m) W20,000   7876-100 Cable, 100' (30 m) W80,0
7876-040 Cable, 40' (12 m) W36,000

Radiation Shield

The most effective passive shelter available. Protects temperature sensor from solar radiation and other sources of radiated and reflected heat. Multi-plate construction for maximum airflow. Assembly required.

7714 Radiation Shield W130,000
for Wizard, Monitor, or GroWeather, or for Wireless Temperature Station or Leaf & Soil Moisture/Temperature Station

Solar Radiation Sensor

To measure solar radiation and solar energy. Diffuser element and housing are carefully designed for accurate cosine response. Silicon photo diode provides good match to solar spectrum. Two-piece housing minimizes radiation heating, allows convection cooling of the sensor, and prevents the trapping of water or dust.

6450 Solar Radiation Sensor for Vantage Pro **W320,000**
Includes 3' (0.9 m) cable. Use Standard 4-Conductor Extension Cable. Maximum cable length is 125' (38 m) from sensor to integrated sensor suite.

7821 Solar Radiation Sensor for GroWeather **W320,000**
Includes 40' (12 m) cable. Use Standard 4-Conductor Extension Cable. Maximum cable length is 125' (38 m) from sensor to sensor interface module.
7876-008 Cable, 8' (2.4 m) W20,000 7876-040 Cable, 40' (12 m) W36,000 7876-100 Cable, 100' (30 m) W80,000

UV Sensor

Measures the sunburning portion of the UV spectrum. Allows you to display UV index, dose rate, and daily and accumulated dose. Multi-layer filter provides a spectral response that closely matches the Erythema Action Spectrum. Diffuser provides excellent cosine response. Two-piece housing minimizes radiation heating, allows convection cooling of the sensor, and prevents the trapping of water or dust.

6490 UV Sensor for Vantage Pro **W700,000**
Includes 3' (0.9 m) cable. Use Standard 4-Conductor Extension Cable. Maximum cable length is 125' (38 m) from sensor to integrated sensor suite.
7876-008 Cable, 8' (2.4 m) W20,000 7876-040 Cable, 40' (12 m) W36,000 7876-100 Cable, 100' (30 m) W80,000

Sensor Mounting Shelf

For mounting Vantage Pro UV and/or solar radiation sensors. Powder-coated aluminum shelf with anodized aluminum posts and stainless steel hardware attaches easily to outside of integrated sensor suite.

6672 Sensor Mounting Shelf W50,000

Temperature/Humidity Sensor

Measures outside temperature, relative humidity, and dew point. When used with Weather Monitor II, it replaces the external temperature sensor included with the station.

7859 Temperature/Humidity Sensor for Monitor or GroWeather **W250,000**
Includes 40' (12 m) cable. Use Standard 6-Conductor Extension Cable. Maximum cable length is 125' (38 m) from sensor to console (including junction box or sensor interface module cable).
7878-040 Cable, 40' (12 m) W44,000

Complete System Shelter

To locate your station console and other components outside, at a field or remote location. Weather-resistant NEMA 4X enclosure provides protection from the elements for any of the following:

- Vantage Pro console or console/receiver with WeatherLink data logger.
- Weather Wizard III or Weather Monitor II console with WeatherLink data logger, protected junction box, radio communication option (short-range modem, spread spectrum radio modem, or cellular phone modem), regulator circuit from solar power kit, and 7.0-amp-hour battery.
- GroWeather console with GroWeatherLink data logger, sensor interface module, alarm output module, radio communication option (short-range modem, spread spectrum radio modem, or cellular phone modem), regulator circuit from solar power kit, and 7.0-amp-hour battery.

Measures $15\frac{1}{2}" \times 7\frac{3}{4}" \times 13\frac{1}{2}"$ ($395 \times 195 \times 345$ mm).

Complete System Shelter with console, sensor interface module, short-range modem, and alarm output module.

7724 Complete System Shelter W370,000

Multi-Purpose Shelter

Use to shelter any of the following sub-systems:
- Weather Envoy with WeatherLink data logger.
- Weather Wizard III or Weather Monitor II console with WeatherLink data logger, protected junction box, link isolator, and short-range modem.
- GroWeather console with GroWeatherLink data logger and short-range modem.
- GroWeather sensor interface module with Alarm Output Module.
- Spread spectrum or UHF radio modem with timer.

Measures $3\frac{3}{4}" \times 9\frac{1}{2}" \times 12\frac{1}{2}"$ ($95 \times 240 \times 320$ mm).

Multi-Purpose Shelter with alarm output module and sensor interface module.

7728 Multi-Purpose Shelter W150,000

Shelter Heaters

For use in cold climates. Use if you expect temperatures below 0°F (-18°C) or if condensation is a problem. Requires access to AC power; may not be run using a solar power kit. Includes 24-watt, 24-volt heater with thermal cut-off switch, control unit, insulating reflective blanket, and AC-power adapter.

7726 Complete System Shelter Heater with 50' (15 m) cable **W340,000**
7730 Multi-Purpose Shelter Heater with 50' (15 m) cable **W330,000**
Use Shielded 2-Twisted Pair Extension Cable. Maximum cable length is 120' (36 m).
7884-050 Cable, 50' (15 m) W56,000   7884-100 Cable, 100' (30 m) W104,000

Sensor Mounting Arm

For use with Weather Wizard III, Weather Monitor II, or GroWeather. Aluminum arm is white powder coated for added durability. Includes mounting hardware and ground wire.

7702 Sensor Mounting Arm W130,000