

**V**antage Pro® weather stations are available in both wireless and cabled versions. All include our innovative integrated sensor suite, which combines our rain collector, temperature and humidity sensors, and anemometer all into one package—making setup easier than ever and improving performance and reliability. Customize your weather station by adding consoles or one or more of the special-purpose stations shown on the following pages. Up to eight wireless transmitters may report to a single console. Because regulations vary, wireless stations may not be available outside the USA.

*All Vantage Pro consoles use the new wind chill formula adopted by the National Weather Service, for more accurate readings of how cold it really feels!*

### Flexible mounting options let you customize the installation to suit your needs.



Use our optional tripod to mount the integrated sensor suite on a rooftop ...



... or in a field, with or without the console inside our Complete System Shelter.



Separate the anemometer from the rain collector to mount it on a fence post up to 40' (12 m) away...



... or even further with optional Anemometer Transmitter Kit.



Anemometer is detachable for ultimate flexibility—mount with integrated sensor suite as shown, or mount separately using the included 40' (12 m) cable.

Rain collector with self-emptying tipping bucket is exceptionally accurate. Read rainfall amounts in 0.01" increments or metric equivalent rounded to nearest 0.1 mm.

Wireless integrated sensor suite runs on solar power. Lithium battery provides backup at night and during cloudy, wintry days. (Solar panel is not included with cabled version.)

Temperature and humidity sensors are located inside the radiation shield. The shield protects the sensors from solar radiation and other sources of radiated and reflected heat.

Optional tripod makes installation even easier. Brackets at the base of legs tilt to mount on roof or uneven terrain.



Console reads in U.S. ...

... or metric units of measure.

#### All Vantage Pro stations include:

- Console with AC-power adapter. Wireless console may also be run using three C batteries. Batteries should also be added to cabled console for back-up during power outages.
- Integrated sensor suite with rain collector, temperature and humidity sensors, and anemometer.
- 40' (12 m) anemometer cable.
- Mounting hardware.

#### Vantage Pro Plus stations also include:

- Solar radiation sensor.
- UV radiation sensor.
- Sensor mounting shelf.

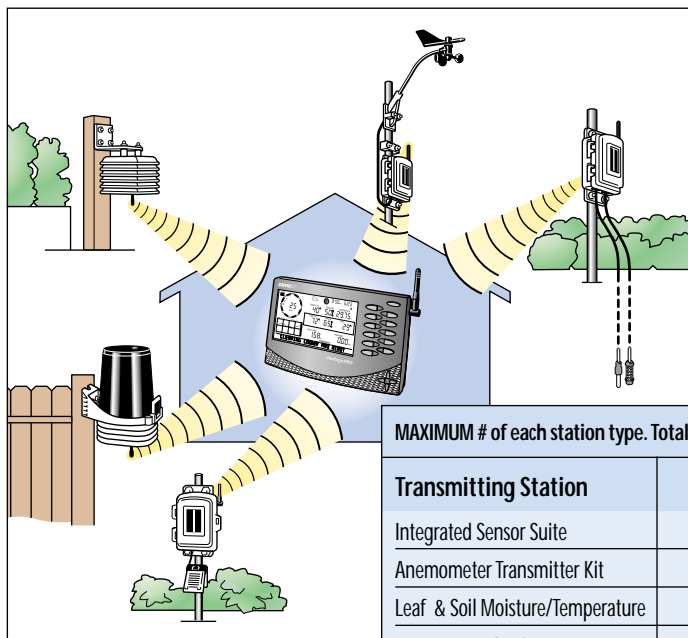
#### Cabled stations also include:

- 100' (30 m) cable from console to integrated sensor suite.

#### Wireless stations also include:

- Transmitter (in integrated sensor suite or weather-resistant shelter) and receiver (in console). Range is up to 400' (120 m) outdoors, line of sight. Typical range through walls under most conditions is 75 to 150' (23 to 46 m).
- Solar panel and lithium battery for powering transmitter.

**B**uild your own customized weather station by adding one or more of the special-purpose stations shown on the following pages. Each Vantage Pro console/receiver can receive data from up to eight different transmitting stations. Start with one of our wireless Vantage Pro or Vantage Pro Plus stations (which include both the console and



Each Vantage Pro console/receiver can receive data from up to eight different transmitting stations.

the integrated sensor suite), and add up to seven additional Temperature or Temperature/Humidity Stations. Or buy the Vantage Pro console alone (without the integrated sensor suite), and add up to eight special-purpose stations of your choice.

MAXIMUM # of each station type. Total number of stations cannot exceed 8.

Transmitting Station	Shown on Console	Logged by WeatherLink
Integrated Sensor Suite	1	1
Anemometer Transmitter Kit	1	1
Leaf & Soil Moisture/Temperature	1	1
Temperature Station	8	3*
Temperature/Humidity Station	8	2*

\* WeatherLink will log a maximum of 3 Temperature Stations or 1 Temperature Station and 2 Temperature/Humidity Stations.



Use the console on a desk ...



... or mount it on a wall.



See page 19 for extension cables.

## Vantage Pro®

Our most popular station. Choose the wireless model for:

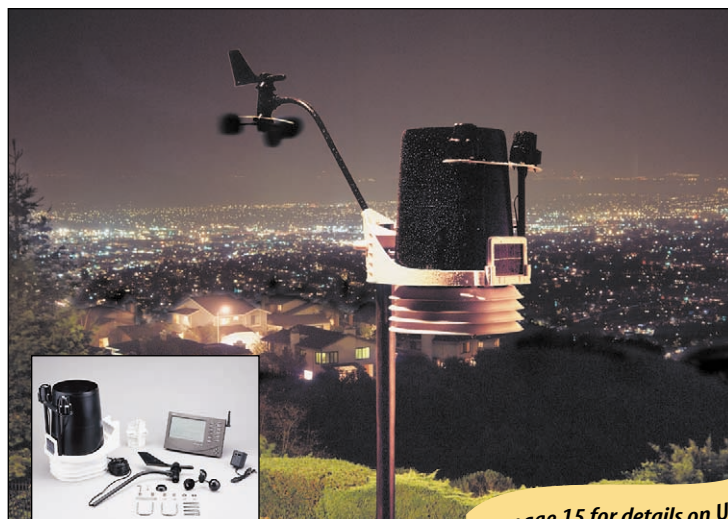
- Easiest installation.
- Ability to add additional consoles or special-purpose stations.
- Reduced risk of damage from lightning strikes.

Choose the cabled model for:

- Most economical installation.
- Field installation using our Complete System Shelter.
- Installation in areas with high RF interference.

6150 Wireless Vantage Pro W1,190,000

6150C Cabled Vantage Pro W990,000



See page 15 for details on UV and solar radiation sensors.

## Vantage Pro® Plus

Includes all the features of Vantage Pro, plus everything you need for reading:

- UV index and dose.
- Solar radiation.
- Evapotranspiration.

UV and solar radiation sensors are pre-installed on sensor mounting shelf.

6160 Wireless Vantage Pro Plus W2,000,000

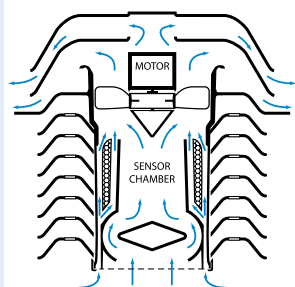
6160C Cabled Vantage Pro Plus W1,800,000





**W**hen accuracy of temperature readings is critical, choose any of our Vantage Pro stations with our patented fan-aspirated radiation shield. Shield combines both active and passive aspiration to minimize the effects of radiation. Electronic components are housed in weather-resistant shelter for added protection against the elements. Wireless model runs on solar power; cabled model runs on AC power. Aspiration rate is 220 feet (67 m) per minute. At night, when the fan is being run on battery power and the effects of radiation are less, the aspiration rate for the solar-powered model is 120 feet (36 m) per minute.

For more details on our Fan-Aspirated Radiation Shield, see our Study of Radiation Shield Effectiveness on our website at [www.davisnet.com/links](http://www.davisnet.com/links).



### Fan-Aspirated Radiation Shield

Motor-driven fan draws air through the sensor chamber and exhausts it through the top of the shield. For maximum natural cooling, triple-walled sensor chamber is shielded by flow-through plates.



### Vantage Pro® with Fan-Aspirated Radiation Shield

Includes all the features of the Vantage Pro stations shown on the preceding pages, plus our patented fan-aspirated radiation shield for improved accuracy of temperature readings.



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- 6151 Wireless Vantage Pro with Solar-Powered Fan-Aspirated Radiation Shield W1,600,000
- 6151C Cabled Vantage Pro with AC-Powered Fan-Aspirated Radiation Shield W1,300,000



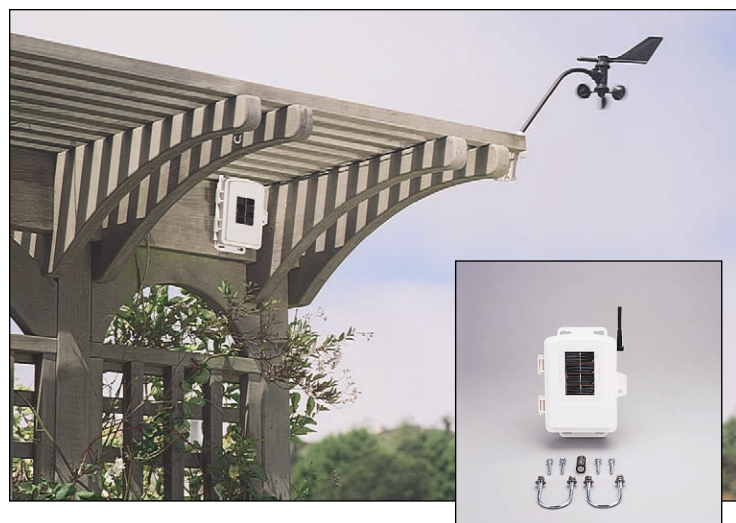
### Vantage Pro® Plus with Fan-Aspirated Radiation Shield

Includes all the features of the Vantage Pro Plus stations shown on the preceding pages, plus our patented fan-aspirated radiation shield for improved accuracy of temperature readings.



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- 6161 Wireless Vantage Pro Plus with Solar-Powered Fan-Aspirated Radiation Shield W2,400,000
- 6161C Cabled Vantage Pro Plus with AC-Powered Fan-Aspirated Radiation Shield W2,100,000



### Anemometer Transmitter Kit

Solar-powered kit for use with wireless Vantage Pro or Vantage Pro Plus. Allows you to locate the anemometer independently from the rain collector, up to 400' (120 m) away from the console/receiver. For longer distances, add one or more wireless repeaters. Kit includes transmitter inside weather-resistant shelter, solar panel, battery, and mounting hardware.



- 6330 Anemometer Transmitter Kit W270,000



### Wireless Temperature Station

Battery-powered station includes stainless steel temperature probe with 12' (2.6 m) cable, transmitter and battery inside weather-resistant shelter, and mounting hardware. To view the data, add a wireless Vantage Pro console/receiver, Weather Echo or Echo Plus, or Weather Envoy and WeatherLink. Battery lasts up to one year under normal conditions.



NIST

- 6370 Wireless Temperature Station W270,000