

What's New?

Here's just one of the many rave reviews we've gotten since the introduction of our Vantage Pro2 stations last year:

"I was blown away (no pun intended) by the range on the new Vantage Pro2 equipment! We were on one side of a twenty-story building during Hurricane Wilma, and the anemometer transmitter on the other side kept on ticking even after the anemometer itself took a debris hit."

—John Van Pelt, StormStudy.com.

This year, we're upping the ante even further with the introduction of our **Long-Range Repeaters**. Now you can transmit your weather data wirelessly for miles on end. See page 9.

We've also expanded your WeatherLink choices. With our new **WeatherLink for Alarm Output**, you can turn heaters, fans, or other devices on or off based on current weather conditions. See page 13.

Original Vantage Pro®

Because it uses a different radio, Vantage Pro2 is not compatible with our original Vantage Pro stations. However, WeatherLink and many of our installation options are still compatible.

Contact Us

As always, please contact one of our customer service representatives if you have any questions. We're always glad to help.

(800) 678-3669 Toll-Free Order Line, Monday through Friday, 7:00 a.m. to 5:30 p.m. Pacific Time. Our representatives can answer most questions and assist you with your purchase.

(510) 732-9229 For callers outside the USA or Canada.

(510) 732-7814 For answers to technical questions or help with trouble-shooting.

(510) 670-0589 Fax to Customer Service or Tech Support.

www.davisnet.com Visit our web site.

sales@davisnet.com E-mail to Customer Service.

support@davisnet.com E-mail to Technical Support.

info@davisnet.com General e-mail.

30-Day Money-Back Guarantee

If for any reason you are unsatisfied with anything purchased from us, return it within 30 days and we will gladly refund your purchase price. Shipping charges are not refundable. This guarantee does not apply to opened software packages.



The GLOBE Program

Students of all ages can participate in the worldwide GLOBE program with the new protocols developed just for Davis weather stations. See www.globe.gov.

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With Vantage Pro2™, our wireless

The first and only stations in their price range to use frequency hopping spread spectrum radio, our wireless Vantage Pro2s transmit and receive data up to 1000' (300 m) line of sight. That's over three football fields in length—and three times farther than competing stations! At the same time, we've kept all the features that have made Vantage Pro famous. You'll get highs and lows (and/or totals or averages) for virtually all weather variables for the last 24 days, months, or years, and your own local forecast—all without a PC.

Graph icon shows which function is currently being displayed on the graph.

View current data or highs and lows for up to 24 different days, months, or years.

Inside compass rose, view wind direction to 1° resolution. Or view wind speed.


Compass rose with 16 compass points shows current and dominant wind direction.


Set over 70 alarms for multiple functions simultaneously.

Graph last 24 hours, days, or months of readings or highs and lows. View over 80 graphs including additional analysis of temperature, rain, rain rate, wind, and barometric pressure. All without a computer!

Vertical scale changes depending on what you are graphing.

Look for the following logos throughout the catalog:

 Identifies the stations or sensors that may be NIST certified. See page 20 for details.

 Identifies stations suitable for use with GLOBE protocol.

Ticker-tape display shows expanded forecast details and additional information on current conditions. Over 100 different messages!

weather stations are now better than ever.

Vantage Pro2 Features:

- Large 3½" × 6" (9 × 15 cm) LCD screen.
- Updates every 2½ seconds, so you'll always be on top of changing weather conditions.
- Backlit display for easy viewing.
- U.S. and metric units of measure.
- Optional WeatherLink data logger and software for even more analysis.

Forecast icons let you know whether to expect sun, part sun, clouds and rain, or snow.

Eight phases of the moon, from new moon through full moon.

Time and date fields let you view:

- Time of sunrise and sunset
- Current time and date
- Time and date of highs and lows
- Time and date of graphed data point

Wireless stations use frequency hopping spread spectrum radio. You'll get three times the transmission distance, improved reception through multiple walls, and greater immunity from RF interference.

Five-position trend arrow shows whether barometric pressure is rising, falling, or stable.

Fixed display area shows the most important weather variables at all times.

Variable display area lets you pick between:

- Inside or additional temperatures or soil moisture
- Inside or additional humidity, UV index, or leaf wetness
- Wind chill, dew point, or two different heat indices

Plus and minus keys simplify data entry.

Use arrow keys to scroll through data on graph or view highs and lows over time.

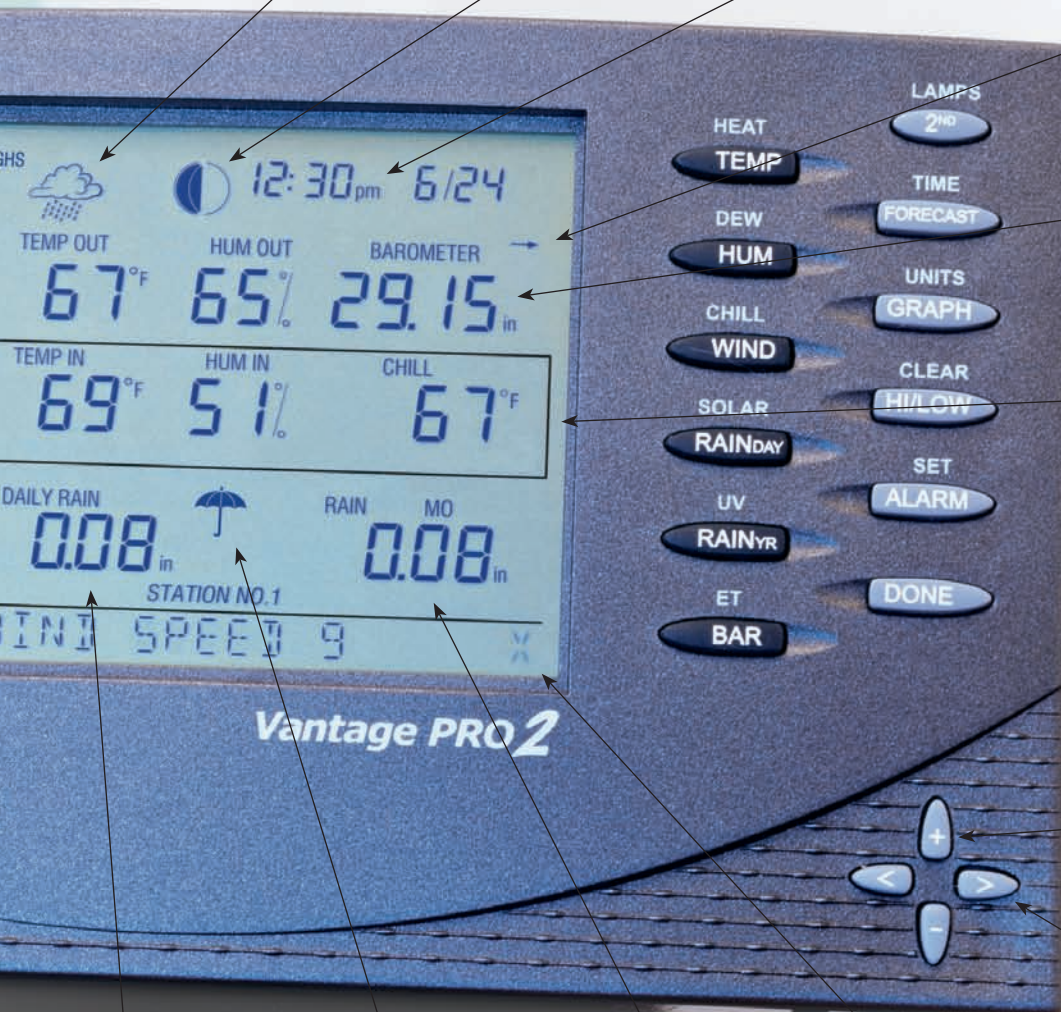
View daily rain or rain for this storm.

Umbrella icon appears when it is currently raining.

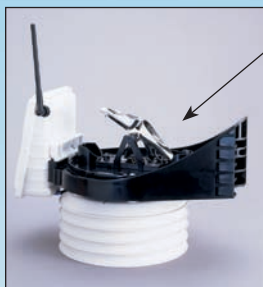
View monthly or yearly rainfall, rain rate, evapotranspiration, or intensity of solar radiation.

Blinks to let you know that data is being received.

Optional sensors or stations are required to view additional temperatures or humidities, soil moisture, UV index, solar radiation, and evapotranspiration.



Vantage Pro2™ weather stations are available in both wireless and cabled versions. All include a console and 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 additional consoles or one or more of the special-purpose stations shown on the following pages. Because regulations vary, wireless stations may or may not be available outside the USA.



The aluminum-plated **tipping bucket** in our rain collector is self-emptying, corrosion resistant, and laser calibrated for exceptional accuracy.

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 (274 km/h).

Unlike the smaller rain collectors sold elsewhere, our **rain collector** meets the guidelines of the World Meteorological Organization. Reads rainfall amounts in 0.01" or 0.2 mm increments.

Weather-resistant shelter houses electronic components for added protection against the elements.

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.)

Models with **24-hour fan-aspirated radiation shields** include additional radiation shield plates and a second solar panel, which powers the motor-driven fan.

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 mounting pole is just one of several installation options. For more, including our mounting tripod, see page 8.

6153 Wireless Vantage Pro2 with 24-Hour Fan-Aspirated Radiation Shield

Most components are factory assembled, so setup is as easy as possible. Just a few simple installation steps, and you're done.



Includes 100' (30 m) cable from sensors to console.

6152C Cabled Vantage Pro2



Includes solar-powered transmitter

6152 Wireless Vantage Pro2



Includes UV & solar radiation sensors

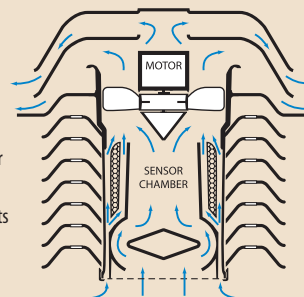
6162 Wireless Vantage Pro2 Plus

24-Hour Fan-Aspirated Radiation Shield

Models 6153 and 6163 include a 24-hour fan-aspirated radiation shield for maximum accuracy of temperature and humidity readings. A motor-driven fan draws air through the sensor chamber 24 hours a day, 7 days a week.

Air flow across the sensors is 500 feet per minute (2.5 m/s). At night, when the effects of radiation are less, the solar-powered model runs on battery

power and the air flow is 280 feet per minute (1.4 m/s). In far northern or southern latitudes, or in areas with extended periods of heavy cloud cover, there may not be enough sunshine to power the fan or recharge the battery during the winter. However, as the level of sunlight goes down, the need for fan aspiration also diminishes. The fan will start running and the battery will recharge as soon as sufficient sunlight returns.



Available in six different models. Choose the one that's right for you.



Choose a **cabled** station for most economical installation. Ideal for areas where lightning risk is minimal.

Choose **wireless** for easiest installation, additional sensor options, and reduced risk of lightning damage.

Choose a model with **24-hour fan aspiration** for maximum accuracy of temperature & humidity readings.



Model 6152C is shown. Model 6162C also includes UV and solar radiation sensors.



Model 6152 is shown. Model 6162 also includes UV and solar radiation sensors.



Model 6163 is shown. Model 6153 does not include UV and solar radiation sensors.

6152C Cabled Vantage Pro2	6162C Cabled Vantage Pro2 Plus	6152 Wireless Vantage Pro2	6162 Wireless Vantage Pro2 Plus	6153 Wireless Vantage Pro2 <small>with 24-Hour Fan-Aspirated Shield</small>	6163 Wireless Vantage Pro2 Plus <small>with 24-Hour Fan-Aspirated Shield</small>
\$495	\$895	\$595	\$995	\$795	\$1195

Console	Should be run using the included AC-power adapter. Add three C batteries (not included) for backup during power outages.	●	●				
	May be run full-time using three C batteries (not included). May also be run using the included AC-power adapter.			●	●	●	●
Integrated Sensor Suite	Includes rain collector, temperature and humidity sensors, and anemometer. UV and solar radiation sensors are optional.	●		●		●	
	Includes sensors listed above, plus pre-installed UV and solar radiation sensors. Save \$135 compared to the cost of purchasing these sensors separately!		●		●		●
	Includes 100' (30 m) cable for transmitting data from integrated sensor suite to console. May be extended to 1000' (300 m) with optional extension cables.	●	●				
Radiation Shield	Includes solar-powered transmitter with battery backup. Transmits up to 1000' (300 m) outdoors, line of sight. Typical range through walls under most conditions is 200' to 400' (60 to 120 m). Range may be extended even further—for miles on end—with optional repeaters.			●	●	●	●
	Standard radiation shield protects temperature and humidity sensors from solar radiation and reflected heat from rooftops or pavement. Optional Daytime Fan-Aspirated Radiation Shield Kit may be added to further reduce the effects of daytime radiation.	●	●	●	●		
Options	Includes 24-hour fan-aspirated radiation shield. Solar-powered fan with battery-backup draws air through the sensor chamber and exhausts it through the top of the shield for maximum accuracy of temperature and humidity readings.					●	●
	Add additional console/receivers to view data in more than one location.			Optional	Optional	Optional	Optional
	Add one or more special-purpose stations to read leaf wetness or soil moisture, or to read temperature and humidity in additional locations.			Optional	Optional	Optional	Optional