

Vantage Pro2™: Professional and rugged

The Vantage Pro2 and Vantage Pro2 Plus offer the professional weather observer or serious weather enthusiast robust performance with a wide range of options and sensors. You'll get your own local forecast, highs/lows, totals or averages and graphs for virtually all weather variables over the past 24 days, months or years—all without using a PC. Vantage Pro2 uses frequency-hopping spread spectrum radio to transmit and receive data up to 1,000 ft. (300 m) line-of-sight. Vantage Pro2 is also an excellent choice for emergency professionals, farmers, educators, researchers, municipalities and others to monitor wind and moisture conditions, irrigation requirements and potential flooding.

Features:

- **Large, backlit 3.5" × 6" (9 × 15 cm) LCD screen**
- **Fast updates every 2.5 seconds (10x faster than the competition)**
- **Wireless transmission reception from stations or repeaters up to 1000 ft. (300 m) away**
- **UV/solar radiation and evapotranspiration updates (Included with Vantage Pro2 Plus, optional for Vantage Pro2)**

1. CURRENT & HISTORICAL DATA

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

2. FORECAST

Icons let you know what to expect: sun, partly cloudy, rain or snow. 12-hour icon forecast plus 24–48 hour ticker-tape forecast at bottom of console screen.

3. MOON PHASE

Track the eight phases of the moon.

4. TIME & DATE

View the current time and date, time of sunrise/sunset, time and date of highs/lows and time and date of a graphed data point.

5. WIRELESS

Frequency-hopping, spread spectrum radio provides three times the transmission distance of the competition, improved reception through multiple walls and greater immunity from RF interference.

6. RETRANSMITS

Main console can retransmit to additional consoles up to 1,000 ft. (300 m).

7. BAROMETER

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

8. FIXED DISPLAY

Fixed display area shows the outside temperature, humidity and barometric pressure at all times.

9. SOLAR RADIATION

Included on Vantage Pro2 Plus, view solar radiation, highs for the day, month and year as well as evapotranspiration and Temp/Hum/Sun/Wind (THSW) index. Set alarms for high readings.

10. UV

Included on Vantage Pro2 Plus, view current UV index, UV index for the day, the daily, monthly and yearly highs; or change scale to see UV in

current, hourly and daily MEDs. Set alarm to warn of high UV dose/index.

11. VARIABLE DISPLAY OPTIONS

View inside or additional temperatures, humidity, soil moisture, UV index, leaf wetness, wind chill, dew point and two different heat indices. (Additional sensors or stations may be required.)

12. RAIN

Umbrella icon appears when it is currently raining. View last 24 storm totals with start and end dates. View daily, monthly or yearly rainfall and rain rate.

13. STATUS INDICATOR

Blinks to let you know that data packets are being received.

14. CONTROL KEYS

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

15. TICKER-TAPE DISPLAY

Provides expanded forecast details as well as additional information on current conditions. Displays more than 100 different messages.

16. GRAPHS

Graphs the last 24 hours, days or months of readings or highs and lows. View over 80 graphs, including additional analyses of temperature, rain, rain rate, wind and barometric pressure.

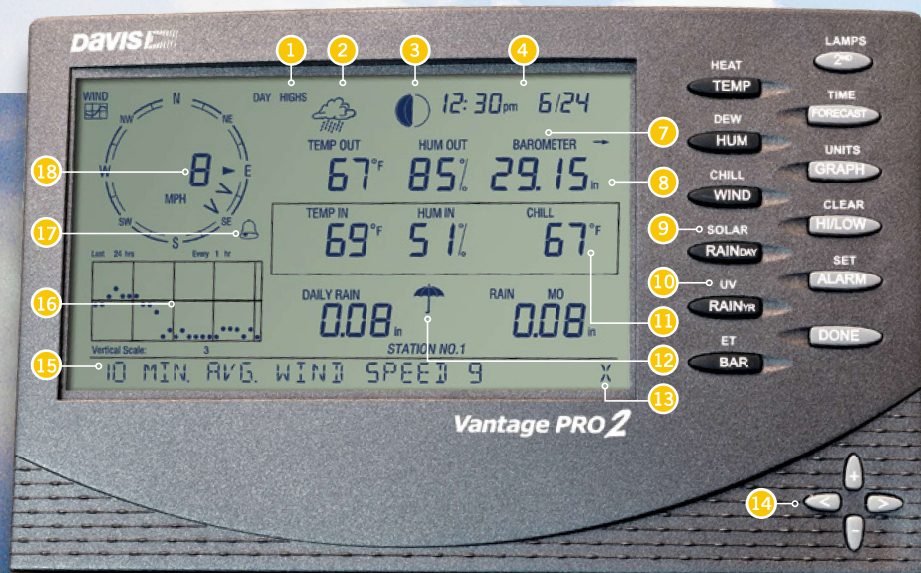
Vertical scale changes depending on what you are graphing.

17. ALARMS

Set more than 70 alarms for multiple functions simultaneously.

18. WIND

Compass rose with 16 points shows current and dominant wind direction. Inside the compass rose, view wind direction to 1° resolution, or view wind speed.



The ultimate in versatility and options

All Vantage Pro2 stations include a console and a versatile sensor suite (pictured below) that combine our rain collector, temperature and humidity sensors and anemometer into one package. You can customize your Vantage Pro2 by adding consoles or the special-purpose options shown on the following pages. Vantage Pro2 weather stations are available in both wireless and cabled versions. Only the Vantage Pro2 Plus includes UV and solar sensors; however, both stations can be customized with a range of add-on options, such as soil moisture stations and long- and short-range repeaters.

Vantage Pro2 stations
(See page 8 for models.) PATENTED



1. 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 200 mph (320 km/h).

Anemometer can be installed separately using 40 ft. (12 m) cable (included).

Optional Anemometer/Sensor Transmitter Kit allows you to mount the anemometer in a different location than the rain collector and the rest of the sensor suite, up to 1,000 ft. (300 m) from your wireless console.

2. RAIN COLLECTOR

The Vantage Pro2 rain collector meets the collection area guidelines of the World Meteorological Organization. Reads rainfall amounts in 0.01" increments. Metric versions measure in 0.2 mm increments. Includes improved debris screen and spikes to keep birds away.

3. PASSIVE RADIATION SHIELD

The most effective passive shelter available. Protects your Temperature or Temperature/Humidity Sensor from solar radiation and other sources of radiated and

reflected heat. Multi-plate construction for maximum airflow.

4. 24-HOUR FAN-ASPIRATED RADIATION SHIELD

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

5. TEMPERATURE & HUMIDITY SENSORS

Located inside the radiation shield, which protects the sensors from solar radiation and other sources of radiated and reflected heat.

6. SOLAR PANEL

Powers the wireless station during the day and charges the super capacitor for night operation. Lithium battery provides backup on cloudy days (solar panel is not included with cabled version).

7. WEATHER-RESISTANT SHELTER

Provides protection against the elements for the sensor suite's electronic components.

8. SOLAR RADIATION AND UV SENSORS (SHOWN WITH VANTAGE PRO2 PLUS)

Includes sensors to track solar radiation, evapotranspiration and

UV indices. Time measures are programmable to meet your specific needs. Sensors can be added separately to the Vantage Pro2.

9. OPTIONAL MOUNTING POLE

One of several installation options. For more, including our mounting tripod, see page 9.

AeroCone® rain collector

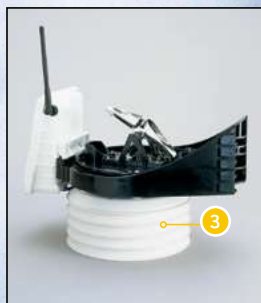
- The new design improves rain data accuracy in high wind
- Comes standard on all Vantage Pro2 sensor suites
- Interior walls are engineered to reduce splash-out during high rain
- Enhanced debris screen locks into place



Access real-time data anywhere at any time with **WeatherLink.com** and the **WeatherLink Mobile App**. See page 15 for details.



6152 Wireless Vantage Pro2. Includes built-in bubble level for more accurate installation. The aluminum-plated tipping bucket in our rain collector is self-emptying, corrosion resistant and laser calibrated for exceptional accuracy.



Pictured: 6163 Wireless Vantage Pro2 Plus with 24-Hour Fan-Aspirated Radiation Shield

See page 32 for installation diagrams.

Choose the station that's right for you—from 7 different Vantage models



Vantage Vue

Vantage Pro2
Shown here: 6152Vantage Pro2 Plus
Shown here: 6163

<p>Davis accuracy in a self-contained, easy-to-install system.</p> <p>Includes solar-powered transmitter.</p>	<p>Create a customized professional station with a wide range of options and sensors. Solar-powered transmitter and detachable anemometer.</p> <p>Choose a cabled station for the 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.</p>	<p>Includes UV & solar radiation sensors.</p> <p>24-hour fan aspiration model achieves maximum accuracy of temperature & humidity readings by circulating the air. Ideal for arid climates.</p>
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The Davis line of Vantage weather stations is built to provide a full weather system. To maximize your weather watching, a variety of additional sensors and stations are available to make your weather station even more comprehensive.	6250 Wireless	6152C Cabled	6152 Wireless	6153 Wireless w/Fan	6162C Cabled	6162 Wireless	6163 Wireless w/Fan
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.	•		•	•		•	•
12-hour advance forecast icons	•	•	•	•	•	•	•
24-48 hour advance forecast ticker-tape		•	•	•	•	•	•
Weather center with scroll-through data screens	•						
SENSOR SUITE							
Anemometer, rain collector, temperature and humidity sensors	•	•	•	•	•	•	•
Detachable anemometer with 40' (12 m) cable		•	•	•	•	•	•
UV and Solar Radiation Sensors		Optional	Optional	Optional	•	•	•
DATA TRANSFER							
100' (30 m) cable		•			•		
Solar-powered wireless transmitter with battery backup	•		•	•		•	•
RADIATION SHIELD							
Standard Radiation Shield	•	•	•		•	•	
Daytime Fan-Aspirated Radiation Shield		Optional	Optional		Optional	Optional	
24-hour Fan-Aspirated Radiation Shield				•			•
ADD-ONS							
Additional consoles to view data in more than one location	Optional		Optional	Optional		Optional	Optional
Special-purpose Wireless Leaf & Soil Moisture/Temperature Station			Optional	Optional		Optional	Optional
Wireless Temperature Station			Optional	Optional		Optional	Optional
Wireless Temperature/Humidity Station			Optional	Optional		Optional	Optional
Anemometer/Sensor Transmitter Kit			Optional	Optional		Optional	Optional