



Davis®

PRECISION WEATHER INSTRUMENTS

CATALOG

Over 35 Years of Weather Innovation

1980

1984 | TURBO METER

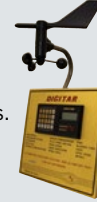


This hand-held device reads wind speed in miles/hour, knots, feet/minute, or meters/second.



1988 | DIGITAL WEATHER PRO

A micro weather station for measuring basic weather conditions. The Weather Pro is the origin of Davis's home and industrial weather market leadership.



1989 | DIGITAL WEATHER MASTER

A complete weather station with barometer, affordable enough for home use.

1990



1996

New mounting allows you to install many sensors in one location.



1991 | WEATHERLINK

For the ultimate in weather monitoring, link any Davis weather station to an IBM-compatible PC or Macintosh.



1991 | PERCEPTION II

Monitor indoor climate using the most advanced technology available.

2000



2000 | WEATHER ECHO

Take the weather with you wherever you go. The wireless Weather Echo receives and displays data from any of the Davis transmitters.



2001 | VANTAGE PRO

A sensor suite paired with the iconic Davis console. The console includes quick-view icons, graphing, and forecasts.



2004 | WINDSCRIBE

An ultrasonic wind meter that uses patented technology to read current wind speed.

2010



2009 | VANTAGE VUE

An accurate and reliable weather station that's tough, sleek, and sets up in minutes.



2008 | WEATHERLINKIP

Uploads data directly to WeatherLink.com without a PC.



2005 | VANTAGE PRO2 PLUS

A wireless, frequency-hopping, sensor suite that includes a 24-Hour Fan-Aspirated Radiation Shield, and Solar Radiation and UV Sensors.



2011 | VANTAGE CONNECT

A cellular telemetry data logger that provides remote, real-time weather and sensor readings.



2017 | AEROCONE

This rain collector reduces wind-induced errors with its aerodynamic design.



2017 | ENVIROMONITOR

Create a network of Davis and industry-leading, third-party sensors. View the data anywhere, anytime on WeatherLink.com and the Mobilize app.

2018



2019 | WEATHERLINK LIVE

WeatherLink Live connects to 80+ sensors at a time and live-streams data over Wi-Fi or Ethernet directly to the WeatherLink Cloud.



2018 | WEATHERLINK CLOUD PLATFORM

A suite of web, mobile, tablet, and API-based applications for viewing and managing personal weather data. Access real-time data anywhere, anytime and on any device.

Weather Stations

Vantage Vue



Vantage Pro2



Measure Weather Where it Matters

Davis stations have been weathering storms and delivering accurate environmental data for over 30 years. Meteorologists, farmers, research scientists, backyard gardeners, and weather enthusiasts worldwide rely on our durable, precision instrumentation.

Vantage Vue®: Get serious about weather

Vantage Vue provides accurate, reliable weather monitoring in a self-contained, easy-to-install system. Sleek but tough, Vantage Vue gives you all the weather data you need:

- Inside & Outside Temperature
- Inside & Outside Humidity
- Barometric Pressure
- Rainfall
- Wind Speed & Direction
- Wind Chill
- Dew Point
- More

Your outdoor sensor suite sets up in minutes and transmits data wirelessly to your console anywhere in your home, school, or business. In addition to displaying current weather conditions and trends, Vantage Vue also boasts the innovative Weather Center that displays more information on weather variables over the last 25 days.

Features:

- Up to 10x faster updates than the competition (Every 2.5 seconds)
- Wireless transmission 3x farther than the competition (1,000 ft./300 m from station to console)
- Easy-to-read backlit screen
- Glow-in-the-dark keypad

1. TIME & DATE

View the current time and date, or time of sunrise/sunset.

2. MOON PHASE

Track the eight phases of the moon.

3. FORECAST

Icons let you know to expect sun, partly cloudy, clouds, rain, or snow.

4. TEMPERATURE & HUMIDITY

Console updates outside temperature every 10 seconds and inside temperature every minute. In addition, outside humidity updates every 50 seconds and inside humidity every minute.

5. RETRANSMITS

Console can extend range to additional consoles up to 1,000 ft. (300 m).

6. BAROMETER

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

7. VARIABLE DISPLAY OPTIONS

See updated values every 10 seconds for heat index and wind chill to get a better "feel" for the outside environment.

8. RAIN

Console updates rain totals and rain rate every 20 seconds for the last 25 hours, days, and months.

9. "CHANGE IN WEATHER SINCE YESTERDAY" FEATURE

Allows comparisons of temperature and barometric pressure from day to day.

10. WEATHER CENTER

Weather Center provides additional information for each weather variable,

such as daily highs and lows, temperature changes by the hour, and barometric value changes. Also displays astronomical data.

11. USER-FRIENDLY KEYPAD

Domed buttons are easy to feel and press. Glow-in-the-dark keypad buttons give you access to weather information at night. The "DONE" key returns you to the "current" screen.

12. GRAPHS

Graphs the last 25 hours, days, or months. View up to 50 graphs for temperature, rain, rain rate, wind, and barometric pressure—all on the console.

13. "THIS TIME YESTERDAY" FEATURE

A data point on the graph indicates the weather during the same time yesterday to help compare and analyze day-to-day weather trends.

14. ALARMS

Set 22 simultaneous, different alarms to warn of dangers such as high winds, freezing temperatures, rain rate, heat index, flood warning, and more.

15. WIND SPEED

See wind speed updates every 2.5 seconds. Displays wind speed in miles per hour, meters per second, kilometers per hour, or knots. Provides the average and high wind speed for 2-minute and 10-minute intervals.



Rugged, accurate, affordable

The fully-integrated, corrosion-proof sensor suite is built to take all the weather your location can give—freezing winters, springtime thunderstorms, blistering summer sun, and brisk autumn winds. The small profile sensor suite is designed to minimize visual impact in your yard or on your roof.

6250 Vantage Vue \$395



Pair with a data collection product (pages 14-17) to access data anywhere, anytime, and on any connected device with the WeatherLink Cloud.

1. WIRELESS

Frequency-hopping, spread-spectrum radio ensures consistent transmission up to 1,000 ft. (300 m) line-of-sight from sensor suite to console.

2. RAIN COLLECTOR

Self-emptying tipping spoon measures rain in 0.01" increments. Metric version measures in 0,2 mm increments.

3. ANEMOMETER

Wind tunnel-tested to 200 mph (320 km/h).

4. WEATHER-PROOF HOUSING

Corrosion-resistant cover provides durability in extreme conditions. Electronics are potted or overmolded for added moisture shielding.

5. RADIATION SHIELD

Provides excellent protection from solar radiation and other sources of radiated and reflected heat for accurate temperature and humidity readings.

6. TEMPERATURE & RELATIVE HUMIDITY

Provides outside temperature readings from -40° F to 150° F (-40° C to 65° C) and measures relative humidity from 1 to 100%.

7. EASY INSTALLATION

Installs easily and quickly with included mounting hardware kit.

8. WIND DIRECTION

Measures wind direction in compass points or degrees.

9. SOLAR PANEL

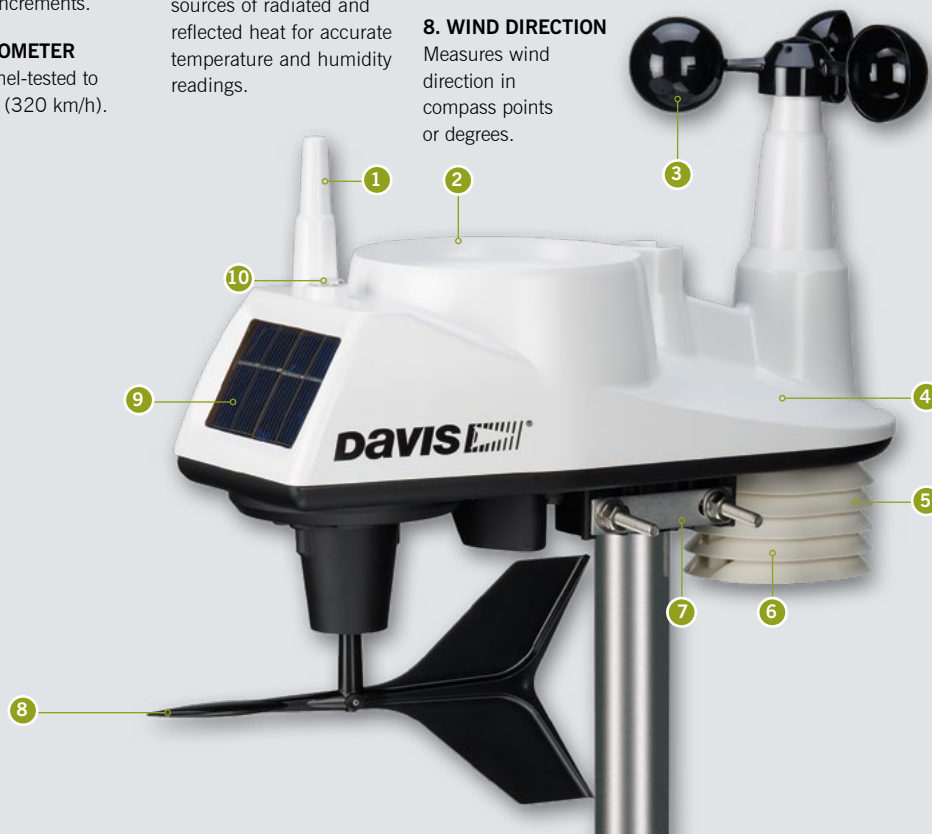
Energizes the station during the day. Onboard supercapacitor provides power at night. Lithium battery provides backup when needed.

10. BUILT-IN BUBBLE LEVEL

Allows for more accurate installation and better data collection.



6250 Vantage Vue



« The sensor suite mounts on poles from 1.00" to 1.75" (2,54 cm to 4,45 cm) in diameter (pole not included).

Vantage Pro2™: Professional and rugged

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 on the console. 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:

- Up to 10x faster updates than the competition (Every 2.5 seconds)
- Wireless transmission 3x farther than the competition (1,000 ft./300 m from station to console)
- UV/solar radiation and evapotranspiration updates (Included with Vantage Pro2 Plus, optional for Vantage Pro2)
- Large, backlit 3.5" × 6" (9 × 15 cm) LCD screen

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 the bottom of the 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 the 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.

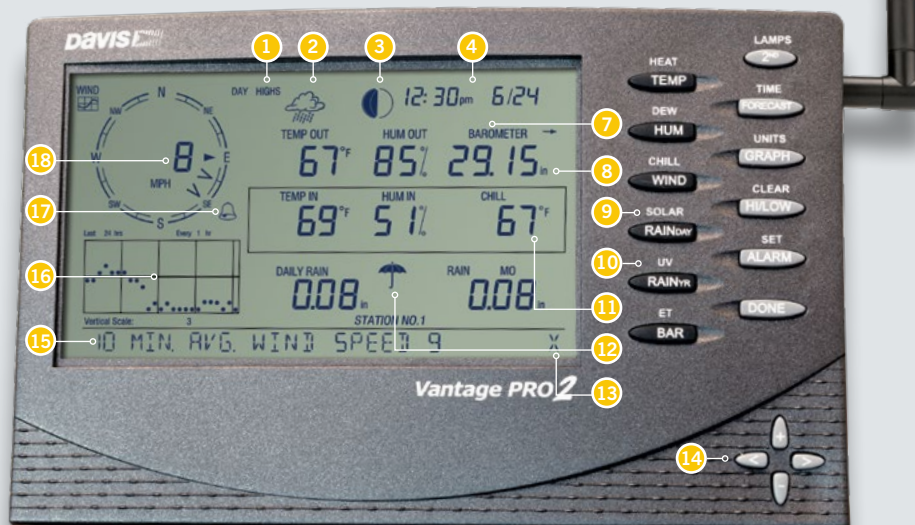
Vertical scale changes depending on what you are graphing.

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 combines our rain collector, temperature and humidity sensors, and anemometer into one package. You can customize your Vantage Pro2 by adding extra consoles or the Sensor Transmitter options shown on page 31. Vantage Pro2 weather stations are available in both wireless and cabled versions. Vantage Pro2 Plus includes UV and Solar Radiation sensors; however, all stations can be customized with either.

Vantage Pro2 stations: From \$645
(See pages 10-11 for models and prices.)



Pair with a data collection product (pages 14-17) to access data anywhere, anytime, and on any connected device with the WeatherLink Cloud.

1. ANEMOMETER & WIND VANE

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 Sensor Transmitter allows you to mount the anemometer even farther from the rain collector and the rest of the sensor suite.

2. RAIN COLLECTOR

The patented AeroCone 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 debris screen and spikes to keep birds from landing.

3. PASSIVE RADIATION SHIELD

The most effective passive shelter available. Protects your temperature and humidity sensors 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 to power 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. WEATHER-RESISTANT SHELTER

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

7. SOLAR PANEL

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

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

Includes sensors to track solar radiation, evapotranspiration and UV indices. Time settings 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 12.



6152 Wireless Vantage Pro2. Includes built-in bubble level for accurate installation. The NEW tipping spoon in our rain collector is self-emptying, corrosion-resistant, and precisely-calibrated for exceptional accuracy.

See page 41-42 for installation diagrams.

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

