

Vantage Pro2™



Ideal for:

- Meteorologists
- Farmers
- Weather enthusiasts
- Emergency professionals
- Educators
- Researchers
- Municipalities

Reliable and precise measurement of key weather parameters

The Vantage Pro2 weather station provides the technology and real-time data you need to respond to changing conditions and make timely decisions. Engineered to handle rugged environments and deliver data with scientific precision year after year, the economical Vantage Pro2 offers the professional weather observer or serious weather enthusiast robust performance with a wide range of options and sensors.



Temperature



Wind Chill & Head Index



Humidity & Dew Point



Barometric Pressure



Rainfall & Rain Rate



Wind Speed & Direction

AND MORE...

KEY FEATURES



See the weather as it happens with near real-time updates on quickly changing wind, temperature, and rain data.



Frequency-hopping, spread spectrum radio provides transmission distance up to 1,000ft/300m and superior reception.



Durable design passes a minimum of 10 tests before shipping, including rigorous calibrations and material endurance.



Flexible communication options to send data effortlessly to the console via the wireless solar-powered transmitter or a cabled station.



Easily incorporate additional Davis sensors to create a custom network of sensors tailored to your specific needs.



The smart way to view and stream live weather data

The WeatherLink Console revolutionizes the way you access, analyze, and understand your hyperlocal weather data reported by your Vantage Pro2 or Vantage Vue® sensor suite, or your custom network of multiple Davis sensors. One intuitive device lets you receive and display data from your local network and connect to Wi-Fi to push your data to the WeatherLink Cloud.



80+

Connected sensors to one WeatherLink Live

10+

Different sensor types

Touchscreen

Interactive HD display

1,000FT

Transmission distance

Live Data

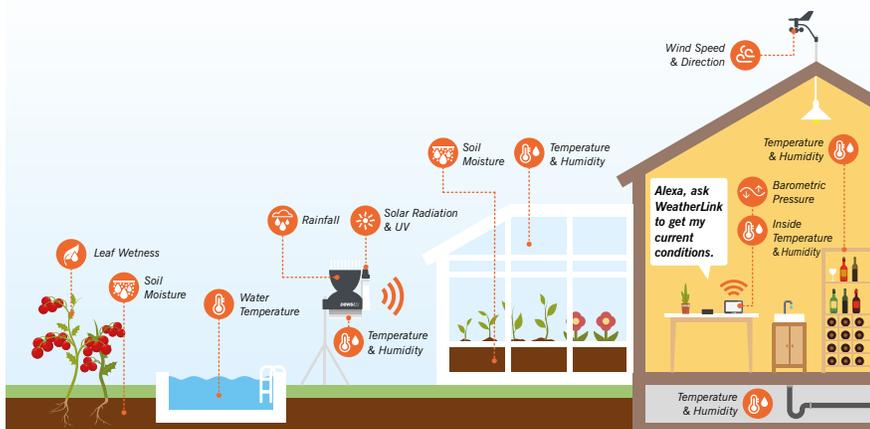
Real-time data updates

Local Network or Use Wi-Fi

Leverage Wi-Fi to join the WeatherLink community

Monitor your environment

Configure a custom network of over 80 sensors on 8 transmitters so you can see data from sensors in the garden, by the pool, out in the garage, and down in the wine cellar – all with one WeatherLink Console.



Data viewing with WeatherLink® Cloud

Access your data on Weatherlink.com and App from any connected device via the WeatherLink Cloud. Leverage the WeatherLink API to easily integrate weather and sensor data into your own innovative applications.



TRY THE MOBILIZE APP

With the Davis Mobilize App you can quickly browse sensor data, create custom reports, set and receive alerts, and share information with others.

WeatherLink[®] Console



Innovation:

- Brilliant, interactive HD display
- Customizable dashboard
- Personalized real-time data viewing
- Create charts & set alarms
- Upload data to the WeatherLink Cloud

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Use the vibrant HD touchscreen to easily navigate, view, and analyze your weather data on one intuitive device.



Customize the dashboard to show up to 21 parameters – from temperature to wind to rain – and see the information that matters to you.



Use the full database of historical records stored right on the console to create custom graphs and analyze your data.



Choose from hundreds of parameters and a dozen sounds to get notified about the environmental changes you care about most.



The WeatherLink Console is a fully functional and powerful data display, storage, and analysis tool on its own – no Wi-Fi required. Or you can connect to Wi-Fi to join the WeatherLink community and upload and share data safely and securely.



The most powerful weather console on the market

The WeatherLink Console works with both the Vantage Vue and the Vantage Pro2. Mix and match up to 8 weather stations or Davis sensor transmitters. Giving you the ability to connect over 80 sensors in thousands of combos to one WeatherLink Console. Get all this data delivered at the fastest speeds on the market.



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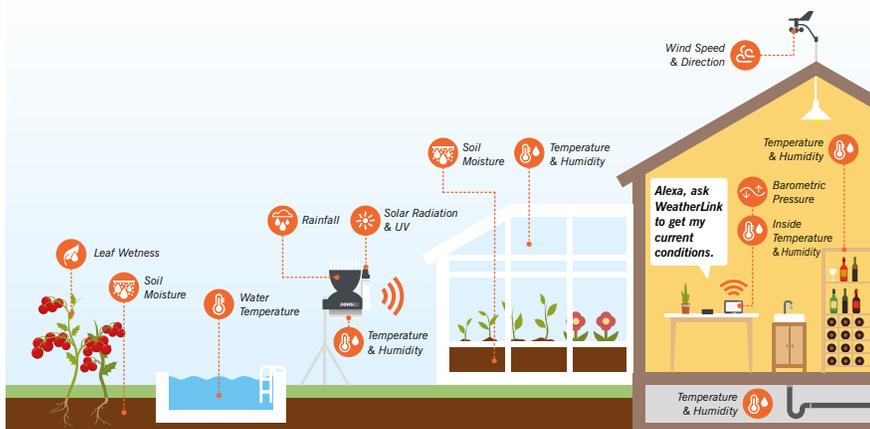
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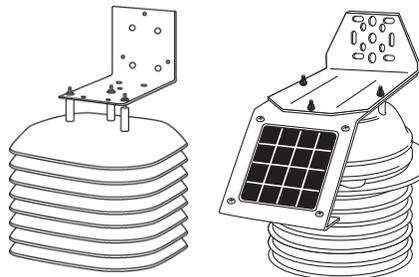
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Radiation Shields

Passive and Fan Aspirated

7714
6838



Davis radiation shields help maximize accuracy of sensor readings.

The passive Radiation Shield (product number 7714) protects temperature sensors from solar radiation and radiated or reflected heat sources.

The 24-Hour Fan Aspirated Radiation Shield includes a solar- and battery-powered, motor-driven fan that draws a constant airflow through the sensor chamber. At night, when the effects of radiation are less, the fan runs on battery. This provides more accurate temperature readings than passive shielding alone.

General

Operating Temperature -40° to +150° F (-40° to +65° C)
Housing Material UV-resistant PVC plastic

Passive Radiation Shield (7714)

Dimensions (with bracket) 5.25" H X 8.75" L X 7.75" W
(133 mm x 222 mm x 197 mm)
Weight (with bracket) 3.5 (1.6 kg)

24-Hour Fan Aspirated Radiation Shield (6838)

Dimensions 16" H X 11" L X 10.25" W
(406 mm x 280 mm x 260 mm)
Weight ((with bracket) 6.6 (3 kg)
Aspiration Rate
Intake flow rate, full sun 190 feet/min (0.96 m/s)
Intake flow rate, battery only 80 feet/min (0.4 m/s)
Sensor chamber flow rate, full sun 500 feet/min (2.5 m/s)
Sensor chamber flow rate, battery only 180 feet/min (0.9 m/s)
Radiation Induced Temperature Error 0.5° F (0.3C°)
At solar noon, insolation = 1040 W/m2
Battery Charge/Operating Temperature 32° to 113 °F (0° to +45C)
Fan Primary Power Solar panel
Fan Secondary Power 1 or 2 1.2 Vilt NiMH C-cells

Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
7714	5.25" x 8.75" x 7.75" (133 mm x 222 mm x 197 mm)	3.5 (1.6 kg)	011698771400
6838	16" x 11" x 10.25" (406 mm x 280 mm x 260 mm)	6.9 lbs. (3.1 kg)	011698013654