

Options & Accessories

With our options and accessories, you can build your own customized weather station to suit your needs. See the chart on page 21 for the maximum number of wireless stations that can report to a single Vantage Pro2 console/receiver or Weather Envoy.



High in the mountains of Ecuador, Ed Bohn of the International Minerals Corp. uses a Vantage Pro to record baseline meteorological data for their gold exploration program.

Option or Accessory		Wireless							Cabled								
		6152 Vantage Pro2 \$595	6153 with Fan-Aspirated Rad Shield \$795	6162 Vantage Pro2 Plus \$995	6163 with Fan-Aspirated Rad Shield \$1195	6345 Leaf & Soil Moisture/Temp \$195	6372 Temperature Station \$175	6382 Temperature/Humidity Station \$235	6152C Vantage Pro2 \$495	6162C Vantage Pro2 Plus \$895	7400 Perception II \$150	7425 Weather Wizard III \$195	7425CS Complete Weather Wizard III \$250	7440 Weather Monitor II \$295	7440CS Complete Weather Monitor II \$395	Inches	Millimeters
Wireless	6312 Vantage Pro2 Console/Receiver \$295	•	•	•	•	•	•									9 1/2 x 6 x 1 1/2	240 x 150 x 38
	6316 Wireless Weather Envoy \$195	•	•	•	•	•	•									5 x 2 1/8 x 7	130 x 60 x 180
	6332 Anemometer Transmitter Kit \$160	•	•	•	•											3 7/8 x 6 1/8 x 1 1/8	93 x 162 x 30
	7626 Standard Wireless Repeater, AC-Power \$150	•	•	•	•	•	•									5 x 2 1/8 x 7	130 x 60 x 180
	7627 Standard Wireless Repeater, Solar-Power \$200	•	•	•	•	•	•									5 x 2 1/8 x 7	130 x 60 x 180
	7653 Long-Range Repeater, AC-Power \$200	•	•	•	•	•	•									5 x 2 1/8 x 7	130 x 60 x 180
Sensors	6420 Leaf Wetness Sensor \$85					•										2 x 3 1/2 x 1/2	50 x 90 x 13
	7852 Rain Collector II \$75										•		•			8 1/4 diameter x 9 1/2	165 diameter x 240
	6440 Soil Moisture Sensor \$50					•										1/4 diameter x 2	22 diameter x 50
	6450 Solar Radiation Sensor \$160	•	•					•								2 x 2 1/4 x 2 1/4	50 x 70 x 57
	6470 Temperature Probe, Stainless \$40					•										1/4 diameter x 2	6 diameter x 50
	7859 Temperature/Humidity Sensor \$125												•			3 1/2 x 3 1/4 x 1 1/4	90 x 83 x 38
Computer Interface	6490 UV Sensor \$350	•	•					•								2 x 2 1/4 x 2 1/4	50 x 70 x 57
	6510 WeatherLink for Vantage Pro2, Windows \$165	•	•	•	•	•	•	•	•							1 1/8 x 1 1/8 x 5/8	30 x 35 x 15
	6520 WeatherLink for Vantage Pro2, Mac \$165	•	•	•	•	•	•	•	•							1 1/8 x 1 1/8 x 5/8	30 x 35 x 15
	6540 WeatherLink for APRS \$195	•	•	•	•			•	•							1 1/8 x 1 1/8 x 5/8	30 x 35 x 15
	6544 WeatherLink for Alarm Output \$295	•	•	•	•	•	•	•	•							1 1/8 x 1 1/8 x 5/8	30 x 35 x 15
	6550 WeatherLink for Emergency Response Teams \$295	•	•	•	•			•	•							1 1/8 x 1 1/8 x 5/8	30 x 35 x 15
	6560 WeatherLink for Irrigation Control \$295	•	•	•	•	•	•	•	•							1 1/8 x 1 1/8 x 5/8	30 x 35 x 15
	7862 WeatherLink for Wizard/Monitor, Windows \$165										•	•	•	•	•	4 1/4 x 1 1/4 x 1/2	108 x 45 x 13
Power	7855 WeatherLink for Wizard/Monitor, Mac OS X \$165										•	•	•	•	4 1/4 x 1 1/4 x 1/2	108 x 45 x 13	
	6533 Telephone Modem Adapter \$7	•	•	•	•	•	•	•	•							1 1/4 x 2 1/4 x 1/2	45 x 57 x 13
	7870 Telephone Modem Adapter \$7										•	•	•	•	•	1 1/4 x 2 1/4 x 1/2	45 x 57 x 13
	6610 Solar Power Kit \$150	•	•	•	•											5 x 2 1/8 x 7	130 x 60 x 180
	7707 Solar Power Kit \$250							•	•							3 1/4 x 9 1/2 x 12 1/2	95 x 240 x 318
	Installation & Mounting Options	7716 Mounting Tripod \$65	•	•	•	•	•	•	•	•		•	•	•	•	•	30 x 33 x 52
7717 Mounting Pole Kit \$30		•	•	•	•	•	•	•	•							1 5/16 diameter x 37 1/2	33 diameter x 950
7740 Protected Junction Box \$65											•	•	•	•	•	5 1/4 x 5 1/4 x 1 1/4	145 x 145 x 32
7714 Radiation Shield \$65						•	•				•	•	•	•	•	7 1/2 x 8 1/2 x 6	190 x 215 x 152
7704 Rain Collector Shelf \$35											•	•	•	•	•	10 x 8 3/4 x 3 1/2	255 x 222 x 90
7720 Rain Collector Heater \$160		•	•	•	•			•	•		•	•	•	•	•	4 x 2 1/4 x 3 1/4	102 x 57 x 20
6673 Sensor Mounting Shelf \$25		•	•													2 x 9 x 3 1/2	50 x 228 x 2
7702 Sensor Mounting Arm \$65												•	•	•	•	32 x 2 x 7 1/4	813 x 50 x 197
7767 Surge Protector \$14		•	•	•	•			•	•		•	•	•	•	•	1 1/2 x 1 1/2 x 1 1/4	38 x 38 x 32
7768 Surge Protector Shelter \$18		•	•	•	•			•	•		•	•	•	•	•	3 1/2 x 5 1/4 x 2 1/4	88 x 145 x 55
7724 Complete System Shelter \$225		•	•	•	•			•	•							15 1/2 x 7 1/4 x 13 1/2	395 x 197 x 343
7728 Multi-Purpose Shelter \$75											•	•	•	•	•	15 1/2 x 7 1/4 x 13 1/2	395 x 197 x 343
7747 Daytime Fan-Aspirated Radiation Shield \$100	•	•					•	•							9 7/8 x 4 1/4	240 x 120	

Sensor Accuracy, Resolution, and Range

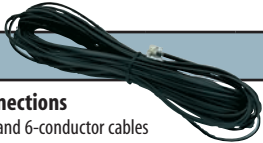
Function		Vantage Pro2	Perception II	Weather Wizard III	Weather Monitor II	U.S.A. Units			Metric Units <small>(See note below)</small>		
						Resolution	Range	Accuracy ±	Resolution	Range	Accuracy ±
Agricultural	Evapotranspiration	●				0.01"	Day: to 99.99" Month: to 199.99" Year: to 199.99"	5%	0.1 mm	Day: to 999.9 mm Month: to 1999.9 mm Year: to 1999.9 mm	5%
	Growing Degree-Days	○				0.1 Degree-Day	Unlimited		0.1 Degree-Day	Unlimited	
	Leaf Wetness	●				1	0 to 15	0.5	1	0 to 15	0.5
	Soil Moisture	●				1 cb	0 to 200 cb		1 cb	0 to 200 cb	
Barometric Pressure	Barometric Pressure (Elevation range: -1000' to +12,500'; -300 to +3800 m)	✓	✓		✓	0.01" Hg	26" to 32" Hg	0.03" Hg	0.1 mm Hg	660 to 810 mm Hg	0.8 mm Hg
		✓	✓		✓				0.1 mb	880 to 1080 mb	1.0 mb
		✓							0.1 hPa	880 to 1080 hPa	1.0 hPa
	Three-Hour Trend	✓				Slow ≥ 0.02" Hg Rapid ≥ 0.06" Hg	5-Position Arrow		Slow ≥ 0.5 mm (0.7 mb) Rapid ≥ 1.5 mm (2 mb)	5-Position Arrow	
One-Hour Trend		✓		✓	Change ≥ 0.02" Hg	3-Position Arrow		Change ≥ 0.5 mm (0.7 mb, 0.7 hPa)	3-Position Arrow		
Humidity	Inside Humidity	✓	✓		✓	1%	10% to 90%	5%	1%	10% to 90%	5%
	Outside Humidity	✓			●	1%	0% to 100%	3%	1%	0% to 100%	3%
	Dew Point	✓			●	1°F	-105° to +130°F	3°F	1°C	-76° to +54°C	1.5°C
Rainfall	Rainfall	✓				0.01"	Day: 0 to 99.99" Storm: 0 to 99.99" Month: 0 to 199.99" Year: 0 to 199.99"	4%	0.2 mm. (Rounded to 1 mm at 2000 mm and above.)	Day: 0 to 9999 mm Storm: 0 to 9999 mm Month: 0 to 19,999 mm Year: 0 to 19,999 mm	4%
				●	●	0.01"	Day: 0 to 99.99" Total: 0 to 99.99"	4%	0.2 mm	Day: 0 to 999.8 mm Total: 0 to 9999 mm	4%
	Rate of Rainfall	✓				0.01"	0 to 99.99"/hr	5%	0.1 mm	0 to 1999.9 mm/hr	5%
Solar & UV	Solar Radiation	●				1 W/m ²	0 to 1800 W/m ²	5%	1 W/m ²	0 to 1800 W/m ²	5%
	Solar Energy	○				0.1 Ly	1999.9 Ly	5%	0.1 Ly	1999.9 Ly	5%
	UV Dose	●				0.1 MEDs	0 to 199 MEDs	5%	0.1 MEDs	0 to 199 MEDs	5%
	UV Index	●				0.1	0 to 16	5%	0.1	0 to 16	5%
Temperature	Inside Temperature	✓	✓	✓	✓	0.1°F	32° to 140°F	1°F	0.1°C	0° to 60°C	0.5°C
	Outside Temperature	✓		✓	✓	0.1°F	-40° to +150°F	1°F	0.1°C	-40° to +65°C	0.5°C
	Soil or Water Temperature	●				1°F	-40° to +150°F	1°F	1°C	-40° to +65°C	0.5°C
	Outside Temp-Hum Index	✓				1°F	-40° to +135°F	3°F	1°C	-40° to +57°C	1.5°C
	Temp-Hum-Sun-Wind Index	●				1°F	-90° to +135°F	4°F	1°C	-68° to +64°C	2°C
	Wind Chill	✓		✓	✓	1°F	-110° to +130°F	2°F	1°C	-79° to +54°C	1°C
Time/Date	Time	✓	✓	✓	✓	1 minute	12 hours	8 sec/mo	1 minute	24 hours	8 sec/mo
	Date	✓	✓	✓	✓	month/day		8 sec/mo	day/month		8 sec/mo
	Sunrise & Sunset	✓				1 minute			1 minute		
Wind	Wind Direction	✓		✓	✓	1°	0° to 360°	4°	1°	0° to 360°	4°
				✓	✓	10°	0° to 360°	4°	10°	0° to 360°	4°
	Compass Rose	✓		✓	✓	22.5°	16 compass points	4°	22.5°	16 compass points	4°
	Wind Speed	✓		✓	✓	1 mph 1 knot	2 to 150 mph 2 to 130 knots	5%	0.1 m/s 1 km/hr	1 to 67 m/s, 3 to 241 km/hr	5%
	Direction of High Speed	✓				22.5°	16 compass points	4°	22.5°	16 compass points	4°

- Included
- Optional, shown on console
- Optional, requires WeatherLink. Growing degree-days also requires Ag/Turf Management Module

Unless listed separately, accuracy, resolution, and range are for Vantage Pro2 stations. Specifications for Perception, Wizard, and Monitor may be somewhat different. For complete specifications, visit our website at www.davisnet.com/links.

"Resolution" refers to the number of digits or decimal places displayed on the console. For metric units, this is not the actual unit of measure except for rainfall. Our rain collector measures in true 0.01" or 0.2 mm increments. All other weather variables are measured and accumulated in U.S. units of measure, which are then converted to metric units for display purposes.

Wizard and Monitor calculate and display wind chill according to the original National Weather Service Formula. A new formula was adopted in 2001. For wind chill using this formula, view the data using WeatherLink or choose Vantage Pro2 instead.



Extension Cables

Cable Connections

Standard 4- and 6-conductor cables include waterproof coupler kits for joining two cables together, indoors or out. To join standard 8-conductor cables, use an 8-pin cable coupler (for indoor use only). All cables may also be joined using Surge Protectors.

WeatherLink

The extension cables listed are for the serial port versions of WeatherLink. For USB versions of WeatherLink, add a USB extension cable, available from your local computer supplier. (Not available from Davis Instruments.)

Solar Radiation & UV Sensors

When sold separately, solar radiation and UV sensors include a 4' (1.2 m) cable. When sold pre-installed on a Vantage Pro2 Plus, the cable length is 3' (0.9 m).

Anemometer

For Wizard and Monitor, maximum wind speed reading decreases as length of cable from anemometer to console (including junction box cable) increases. At 140' (42 m), maximum speed is 175 mph (78 m/s). At 240' (73 m), maximum is 140 mph (62 m/s). At 340' (103 m), maximum is 70 mph (31 m/s). The accuracy of readings below the maximum is not affected.

7876-008 Standard 4-Conductor, 8' (2.4 m)	\$10
7876-040 Standard 4-Conductor, 40' (12 m)	\$18
7876-100 Standard 4-Conductor, 100' (30 m)	\$40
7876-200 Standard 4-Conductor, 200' (61 m)	\$70
7878-040 Standard 6-Conductor, 40' (12 m)	\$22
7880-025 Standard 8-Conductor, 25' (7.5 m)	\$15
7880-050 Standard 8-Conductor, 50' (15 m)	\$25
7880-100 Standard 8-Conductor, 100' (30 m)	\$45
7959 Eight-Pin Cable Coupler	\$5
7895-050 Shielded 4-Conductor, 50' (15 m)	\$25
7895-100 Shielded 4-Conductor, 100' (30 m)	\$48



Anemometers are wind-tunnel tested in our California factory.

Included Cable Length		Maximum Cable Length		Extension Cable to Use																		
Vantage Pro2	Wireless Vantage Pro2	40' (12 m)	540' (165 m) from anemometer to integrated sensor suite.	●	●	●	●															
	Cabled Vantage Pro2	40' (12 m)	540' (165 m) from anemometer to integrated sensor suite.	●	●	●	●															
		100' (30 m)	1000' (300 m) from console to integrated sensor suite.	●	●	●																
	WeatherLink for Vantage Pro2	8' (2.5 m)	48' (14.6 m) from data logger to serial port.	●	●																	
	Solar Radiation Sensor	4' (1.2 m)	125' (38 m) from solar radiation sensor to integrated sensor suite.	●	●	●																
UV Sensor	4' (1.2 m)	125' (38 m) from solar radiation sensor to integrated sensor suite.	●	●	●																	
Wizard & Monitor	Weather Wizard III	8' (2.4 m)	125' (38 m) from junction box to console.							●	●	●	●									
	Weather Monitor II	8' (2.4 m)	125' (38 m) from junction box to console.							●	●	●	●									
	Protected Junction Box	None	200' (60 m) from Protected Junction Box to console.							●	●	●	●									
	WeatherLink for Wiz/Mon	8' (2.4 m)	50' (15 m) from data logger to serial port.	●	●																	
	Anemometer	40' (12 m)	See note above.	●	●	●	●															
	Rain Collector	40' (12 m)	900' (270 m) from rain collector to console, including cable from junction box to console.	●	●	●	●															
	Temperature Sensor	25' (7.6 m)	300' (91 m) from sensor to console, including cable from junction box to console.	●	●	●	●															
	Temp/Humidity Sensor	40' (12 m)	300' (91 m) from sensor to console, including cable from junction box to console.							●												
	Rain Collector Heater	50' (15 m)	120' (36 m) from power unit to AC-power adapter. Requires terminal block.																	●	●	

NIST-Traceable Sensors

In the USA, the National Institute of Standards & Technology (NIST) develops and maintains the standards of measurement to which all others are ultimately traced. Numerous calibrations, tests, and measurement assurance programs are delivered directly to about 10,000 companies. From these companies, NIST-traceable intermediate service providers are the next link in a network that joins together the makers and users of precision instruments. Davis Instruments is proud to participate in this network. Each of our weather stations is carefully manufactured in our California factory. For those users who require NIST-traceability, certification and recertification of new and previously owned sensors is now available. For a NIST-certified Vantage Pro2 add \$200. Call, fax, or e-mail us for complete details.

Station Dimensions		Inches	Millimeters
Vantage Pro2	Console	9½ × 6 × 1½	240 × 150 × 38
	LCD Display	6 × 3½	150 × 90
	ISS: Anemometer Side	14½ × 5¼ × 17½	370 × 130 × 445
	ISS: Rain Collector Side with Standard Radiation Shield	11 × 9 × 13½	280 × 230 × 340
	ISS: Rain Collector Side with Fan-Aspirated Radiation Shield	13 × 9 × 20	330 × 230 × 510
	Leaf & Soil Moisture/ Temperature Station	5 × 2½ × 7	130 × 60 × 180
	Temperature Station	5 × 2½ × 7	130 × 60 × 180
	Temperature/Humidity Station	8¼ × 7¼ × 7¼	210 × 185 × 197
Wiz & Mon	Console	5¼ × 5¼ × 3	133 × 150 × 76
	LCD Display	4¼ × 1¼	108 × 45
	Junction Box	3¼ × 1¼ × 7½	82 × 48 × 22

Current Draw & Battery Life*	Current Draw in milliamperes		Estimated Backup Battery Life in Days*		80-Amp Car Battery Life at normal temperatures
	lights off	lights on	without data logger	with data logger	
Wireless Vantage Pro2 Console/Receiver	0.9	160	274	274	> 4 years
Cabled Vantage Pro2 Console & Sensors	8	168	27	27	14 months
Perception II	7	127	2.5	1.0	6 to 9 months
Weather Wizard III	6	n/a	3.0	1.5	6 to 9 months
Weather Monitor II	7	127	2.5	1.0	6 to 9 months

* Actual battery life will vary depending on station setup and usage.

Surge Protector

For upgraded protection against lightning-induced power surges, power-cross conditions, and ground potential rises, use surge protectors with any of our cabled weather stations. See the chart for the number of protectors required for your installation. Stripping of wires is required.

7767 Surge Protector \$14



Surge Protector Shelter

Weather-resistant shelter for surge protectors (sold separately). Houses up to two surge protectors. Measures 3½" × 5¾" × 2¼" (9 × 14.5 × 5.5 cm).

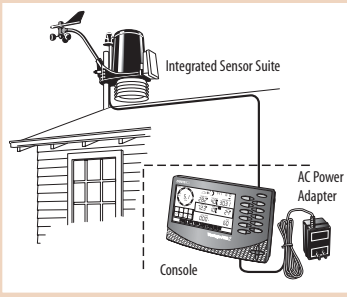


7768 Surge Protector Shelter \$18

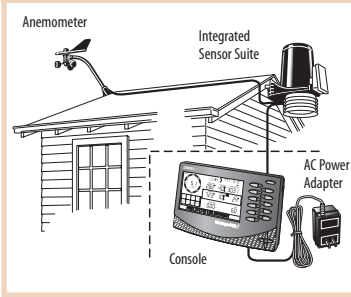
Number of Surge Protectors Required

Weather Station	Cable Run	Number of Surge Protectors
Vantage Pro2 or Pro2 Plus	Anemometer to Integrated sensor suite	2
	Integrated sensor suite to console	2
Weather Wizard III or Weather Monitor II	Temperature sensor to junction box	1
	Rain collector to junction box	1
	Anemometer to junction box	2
	Temp/hum sensor to junction box	3
	Junction box to console	4

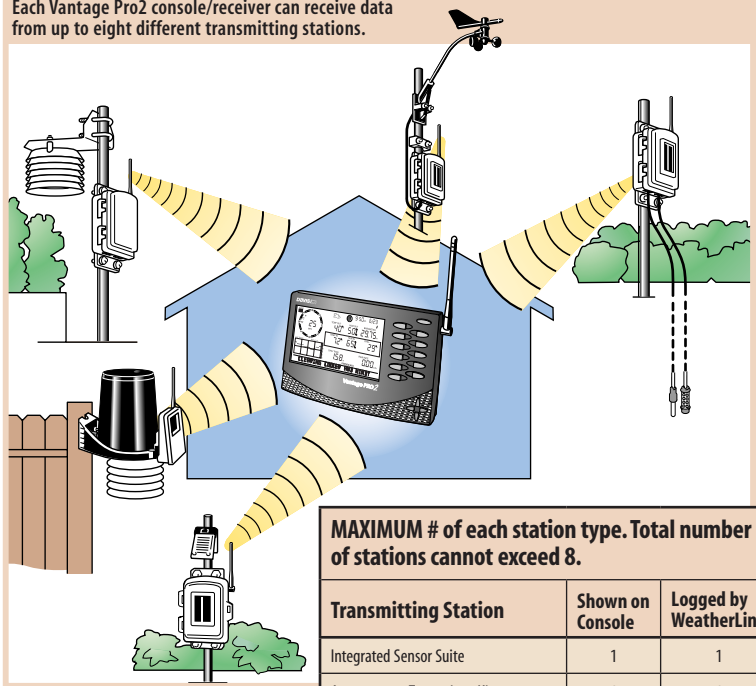
Cabled Vantage Pro2 Plus



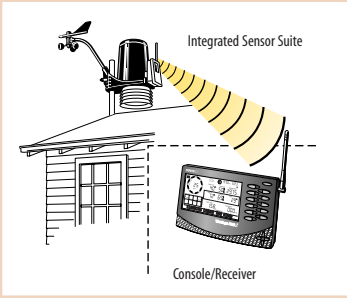
Remote Anemometer



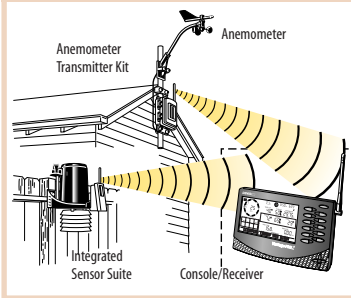
Each Vantage Pro2 console/receiver can receive data from up to eight different transmitting stations.



Wireless Vantage Pro2



Anemometer Transmitter Kit

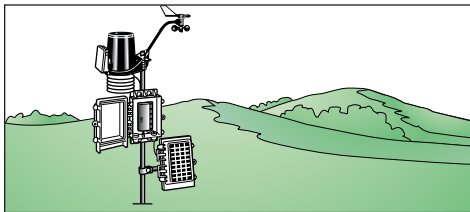


MAXIMUM # of each station type. Total number of stations cannot exceed 8.

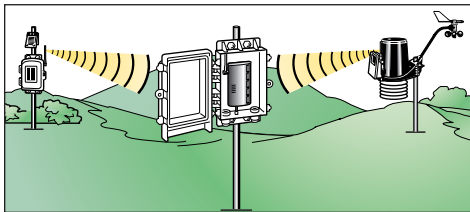
Transmitting Station	Shown on Console	Logged by WeatherLink
Integrated Sensor Suite	1	1
Anemometer Transmitter Kit	1	1
Leaf & Soil Moisture/Temperature	2*	2*
Temperature Station	8	3**
Temperature/Humidity Station	8	2**

* One fully-populated station or two partially-populated stations; see page 6.
 ** WeatherLink will log a maximum of 3 Temperature Stations or 1 Temperature Station and 2 Temperature/Humidity Stations.

Weather Envoy with a wireless or cabled field station

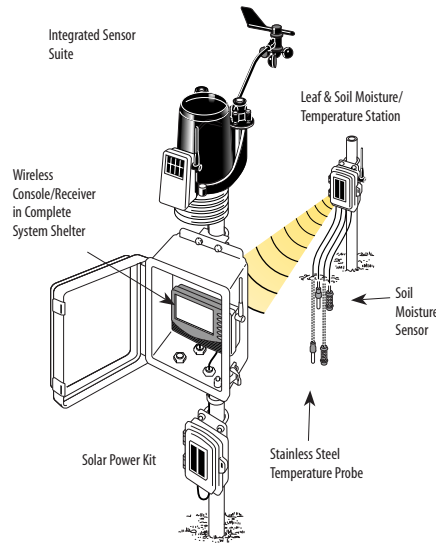


Cabled Field Station. With Multi-Purpose Shelter and 7707 Solar Power Kit.

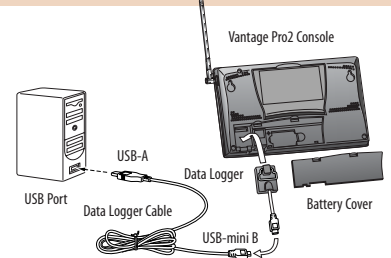


Wireless Field Station. Run on batteries or add our 6610 Solar Power Kit.

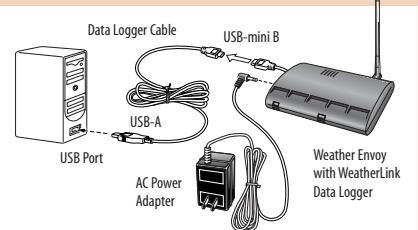
Field Station with Solar Power and Soil Moisture



WeatherLink for Vantage Pro2



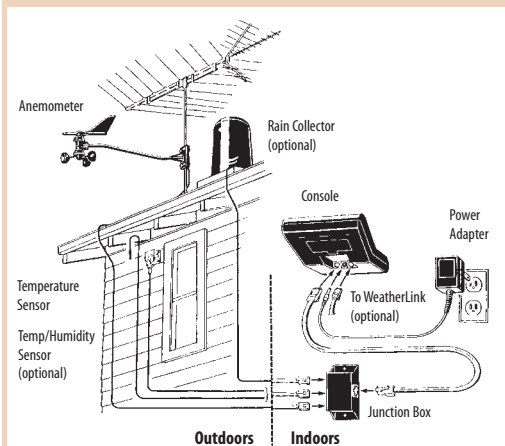
Wireless Weather Envoy



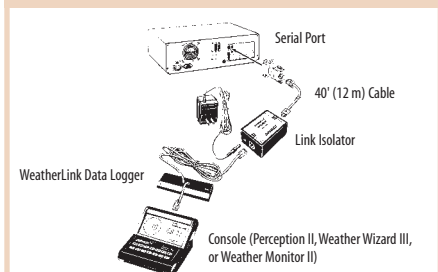
Weather Monitor II Components



Weather Monitor II Installation



Link Isolator Kit Installation



Things to consider when purchasing an electronic weather station.

1. What weather variables are measured and recorded?

Most other stations offer barometric pressure, outside humidity and dew point, daily and yearly rainfall, wind speed and direction, wind chill, and outside temperature. Some also offer inside temperature and humidity, and a few even give you extra outside temperatures and rain rate. Only Vantage Pro2 gives you all these, plus:

- Additional Rainfall Information: 15-minute, hourly, and monthly rainfall, and rainfall amounts for each of the last 24 storms.
- Additional Wind Speed Information: 10-minute average speed, direction of high speed, and 10-minute dominant wind direction.
- Apparent Temperature: Heat index and, with a solar radiation sensor, temperature-humidity-sun-wind index.
- Optional Solar and UV Radiation Sensors for greater awareness of the dangers of excessive exposure to the sun.
- For agricultural users, optional evapotranspiration, leaf wetness, soil moisture, and soil temperature.

2. How easy is it to set up?

With most competing stations, you need to install each sensor separately, which adds complication and takes time and effort. Vantage Pro2 is factory-assembled to make setup as easy as possible. Just complete a few minor assembly steps, insert the battery, and you're ready to mount the sensor suite. Mount the two sides together using our optional tripod, or detach the anemometer to mount it separately. Flexible mounting options make it easy, either way.

3. What is the maximum transmission distance?

The wireless transmission range for most competing stations is generally quite limited. Although range is highly variable (depending not only on the physical features of the land and structure but also on RF interference in the area), Vantage Pro2 will almost always outperform the competition. And—unlike the competition—we offer wireless repeaters should you wish to extend the range even further.

4. How many highs and lows are measured and recorded?

Most other stations simply give you the current readings. If highs and lows are available at all, they are usually quite limited. Only Vantage Pro2 gives you the highs and lows (and/or totals or averages) for just about all weather conditions, with time and/or date for the last 24 days, months, or years. No other station on

the market even comes close. And not only can you view the data numerically, you can also view on-screen graphs, for instant visual representations of long-term trends.

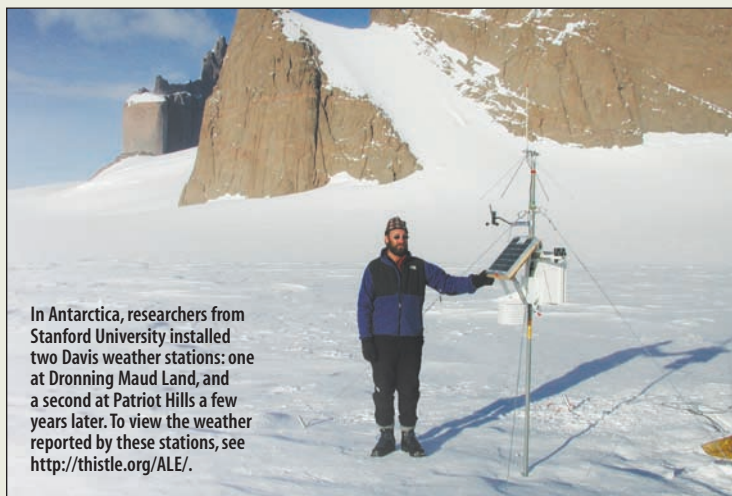
5. How often is the information updated?

The Vantage Pro2 transmitter sends data to the console every 2½ seconds. Highly variable conditions (such as wind speed and direction) are updated with each packet, while less variable conditions are updated every 10 seconds. With competing stations, the update interval is much longer: 30 seconds, or even up to 3 minutes. This may not seem important. But try watching the wind gust, or the rain suddenly

additional information depending on which key you press. Press WIND to display wind speed, and you'll get a message showing the 10 minute average wind speed. If it's raining, press RAIN YR to see the last 15 minutes of rain, or RAIN DAY to see the last 24 hours of rain. And these are just a few examples! None of the competing stations have anything like this.

8. How much data can you graph on the screen?

With Vantage Pro2, you can graph just about every weather variable, with averages and highs and lows for most, and go back in time for minutes, days, months, and years. The competition typically graphs just one vari-



In Antarctica, researchers from Stanford University installed two Davis weather stations: one at Dronning Maud Land, and a second at Patriot Hills a few years later. To view the weather reported by these stations, see <http://thistle.org/ALE/>.

come pouring down. It's very disconcerting to look out the window, see something happen weather-wise, and not see it reflected on the console right away.

6. How is the forecast generated?

The competition generally bases their forecast on barometric pressure alone, which results in none too accurate a prediction. Vantage Pro2 uses a sophisticated forecasting algorithm which takes into account not only barometric pressure, but also wind, rainfall, temperature, humidity, and longitude and latitude. The result? A much more accurate forecast. Not perfect, but even the guys with the satellite pictures don't always get it right!

7. How is the forecast displayed?

Competing stations use icons to show the forecast. Vantage Pro2 has similar icons, plus over 80 different forecast messages that scroll across the bottom of the display. None of the other stations have this. The ticker tape also gives

able—barometric pressure—and typically just for the last 24 hours. With all the graphs on Vantage Pro2, you can do tons of analysis, even without purchasing a software package. You'll find that the more dramatic the weather is, the more fun it is to look at the graphs. Just how windy is it, and how does it compare to the last wind storm? How much rain did we get this month, as compared to last month?

9. Can you use the station at higher elevations?

Our stations can be used up to 12,500 feet in elevation. Many competing stations are limited to 6,000 feet or below. If you're lucky enough to live and work—or perhaps enjoy a vacation home—in the mountains, you'll find that our Vantage Pro2 weather station works just fine, no matter what the elevation.

10. Is there a computer interface?

If you'd like to do even more analysis, add our WeatherLink data logger and software

package. The data logger stores data at the interval you choose (from one minute to two hours) for up to six months. Transfer the data whenever you like, or leave your computer on to have it transfer automatically every day. For some competing stations, no software package is available. Other stations do offer software, but don't include a data logger—so your PC must be on and the software running at all times.

11. How many alarms are there?

With Vantage Pro2, alarms can be set for just about every weather variable, for just about any reason imaginable—up to 70 alarms in all. The alarms found on competing stations are generally quite limited.

12. What is the accuracy, resolution, and range?

Vantage Pro2 generally beats the competition in accuracy, resolution, and range. It can be difficult to find the specs for competing stations. When we do find them, our testing shows that they are a bit, shall we say, optimistic. We are proud to publish our specs in our catalog and on our website, and stand behind them 100%.

13. How many people are using the stations?

There are many, many thousands of happy Davis weather station users around the country and around the world. Check out "Weather World 'Round" on our website (www.davisnet.com/links), and you'll see a listing for Norman, Oklahoma. Click on the link, and you'll go to the website for the National Weather Service's Storm Prediction Center. They're using our Weather Monitor II to update the local "unofficial" weather conditions to their website. Many other Davis weather station owners participate as volunteer observers for the National Weather Service, the National Hurricane Center, and numerous local TV and radio stations.

14. How long has the company been in business?

In business since 1963, Davis Instruments opened up the home weather station market back in 1989. Our weather stations are manufactured right here in Hayward, California, and we have a full customer service and support staff. Most competing stations are made overseas, and it can be difficult (if not impossible) to get any kind of customer service or aftermarket support.

With Vantage Pro2, you get highs and lows (and/or totals or averages) for just about all weather conditions with time and/or date for the last 24 days, months, or years.	BAR		HUMIDITY			RAIN			TEMPERATURE				WIND			WITH OPTIONAL SENSORS							
	Barometric Pressure	Inside Humidity	Outside Humidity	Dew Point	Rainfall Amount	Rain Storm Amount	Rain Rate	Inside Temperature	Outside Temperature	Heat Index	Wind Chill	Wind Speed	Wind Direction	Direction of High Speed	Evapotranspiration	Humidity (Extra)	Leaf Wetness	Soil Moisture	Solar Radiation	Temperature (Extra)	Temp-Hum-Sun-Wind	UV Radiation	UV MEDS
Update Interval *	15 min	1 min	50 sec	10 sec	10 sec	10 sec	1 min	10 sec	10 sec	10 sec	2½ sec	2½ sec	2½ sec	1 hour	50 sec	15 sec	60 sec	50 sec	10 sec	10 sec	50 sec	50 sec	
CONSOLE DISPLAYS																							
Reading at end of update interval	•	•	•	•				•	•	•	•		•		•	•	•	•	•	•	•	•	•
Total amount for the interval					•	•								•									•
Average reading for the interval												•											
High reading for the interval							•																
SET ALARMS for																							
Special Alarms	①				②	③							④										⑥
High Reading		•	•	•				•	•	•	•		•			•	•	•	•	•	•	•	•
Low Reading		•	•	•				•	•		•				•	•	•		•				
DISPLAYED but not graphed																							
Current Year High	•	•	•	•				•	•						•	•	•		•				
Current Year Low	•	•	•	•				•		•					•	•	•		•				
GRAPHED & DISPLAYED for last 24 of each of the following																							
EOP	End-of-15-Minute Period Readings	•																					
	End-of-Hour Period Readings	•	•	•	•				•	•	•					•	•				•		
TOTALS	15-minute Period Totals					•																	
	Hourly Totals					•									•								•
	Daily Totals					•									•								•
	Monthly Totals					•									•								
	Storm Totals (with start & end date)						•																
	Yearly Totals					•									•								
AVERAGES	10-Minute Averages											•											
	Hourly Averages or Dominant											•	•					•					•
	Daily Averages or Dominant												•	•									
	Monthly Averages or Dominant												•	•									
	Yearly Averages													•									
HIGHS	One-Minute Highs							•															
	Hourly Highs							•					•										
	Daily Highs	•	•	•	•			•	•	•	•		•			•	•	•		•	•	•	•
	Monthly Highs	•	•	•	•			•	•	•	•		•			•	•	•		•	•	•	•
	Yearly Highs							•		•				•									
LOWS	Hourly Lows												•										
	Daily Lows	•	•	•	•			•	•		•					•	•						
	Monthly Lows	•	•	•	•			•	•		•					•							
	Yearly Low									•													

* Update interval may vary depending on station ID and type of station.

SPECIAL ALARMS

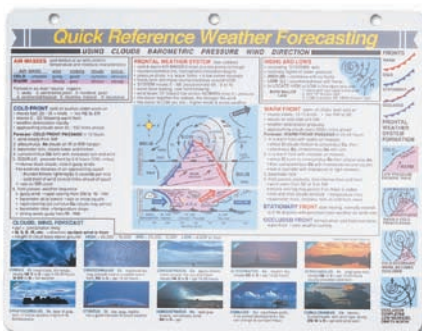
- ① Storm Warning: Amount of barometric pressure fall. Storm Clearing: Amount of barometric pressure rise.
- ② Flash Flood Warning: 15-minute rainfall amount. 24-Hour Rain Alarm: 24-hour rainfall amount.
- ③ Rainstorm Alarm: Rainfall amount for current storm.

- ④ 10-Minute Average Wind Speed Alarm
- ⑤ Daily Evapotranspiration Amount Alarm
- ⑥ Daily UV Dose Alarm

Warranty

We warrant our products to be free of defects in material and workmanship for one year from date of original purchase. While we make every effort to carefully manufacture our products to the highest standards of quality, occasionally parts may be found to be missing, defective, or damaged. If you have a defective part, return the product to us, shipping charges prepaid. Include proof of purchase and a written explanation of the trouble. During the warranty period, we will, at our option, either repair or replace the product free of charge. This warranty does not cover damage due to improper installation or use, lightning, negligence, accident, or unauthorized service, or to incidental or consequential damages beyond the Davis products themselves. Implied warranties are limited in duration to the life of this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental and consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights. You may have other rights, which vary from state to state or country to country.

Details, specifications, and prices are subject to change at any time without notice.



Weather Forecasting Card

Discusses the use of wind direction, barometric pressure, and cloud type in predicting the weather. Includes full list of radio weather stations for official broadcasts, plus key information on storm warnings, hurricane avoidance, navigating in fog and other hazardous conditions, and more. Weatherproof high-strength plastic, full color both sides. Punched for binder or bulkhead mounting. Dimensions: 8½" x 11" (216 x 279 mm).

131 Weather Forecasting Card \$9⁹⁵

Davis Hat

Now you can get your own Davis hat! Baseball-style cap is 100% cotton twill. Two-toned with washed khaki crown, dark-colored brim, and embroidered Davis logo. Self-fabric closure with brass buckle. One size fits all.



PR725 Davis Hat \$12