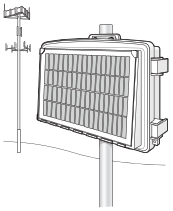
Vantage Connect®



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Vantage Pro2™ Systems

Vantage Connect allows you to automatically upload data from a DavisVantage Pro2™ , Vantage Vue®, or other Vantage Pro2-compatible sensor suite to WeatherLink.com through the cellular network. With your own online account and a data plan, you can receive alarm e-mails when preset weather conditions occur, view data online or through a smart phone, or even download data into your PC with the WeatherLink® software. Vantage Connect must be mounted within cellular range and, if wireless, within radio transmission range of the transmitting station or retransmitting console.

Vantage Connect is available in both wireless and cabled versions, and in different packages depending on country of use. The data update interval is based on the purchased data plan. An annual data service plan is required. Select 5-minute, 15-minute, or 60-minute update plans. WeatherLink software is included.

General

Cellular Bands	850, 900, 1800, 1900 MHz
Operating Temperature	-40° to +140°F; -40° to +60°C
Storage Temperature	-40° to +140°F; -40° to +60°C
Average Current Draw	25mA typical (GPRS class 25, idle) to 146mA typical (GPRS class 10, peak)
Transmitter Power (cellular)	Max: 2W @ 850/900 MHz (Class 4) 1W @ 1800/1900 MHZ (Class 1)
Housing Material	Rugged ASA Plastic
Dimensions (width x length x height)	13.75 X 10 X 4.17 inches; 34.9 X 25.4 X 10.6 cm
Weight	8.14 lbs. (3.69 kg)
Solar Panel (@ 1000w/m^2)	
Nominal power	5 watt
Voc	21.6V
Isc	300mA
Vmp	18V
Imp	277mA

Battery

Replacement Part Number	7011.025
Battery Voltage	6 volts
Battery Capacity	12 Ah
Charging Temperature	-4 to +120°F; -20 to +49°C
Estimated Battery Run Time (no solar, at 25°C)	
Wireless	20 days
Cabled	17 days

Charging Circuit

- High-efficiency switching charger
- Maximum-Peak-Power-Tracking (MPPT) at 18V - Typical for 12V solar-panel
- Charges 6V SLA battery @ 2A max
- Charging voltage temperature compensation
- Low- and high-temperature charging cut-out
- Low-battery load disconnect
- Reverse battery protection
- Designed to have multiple batteries and/or solar-panels added in parallel to extend capacities

Certifications

- FCC
- PTCRB
- CE
- Carrier

Sensor Data (internal sensors)

Barometric Pressure

Resolution and Units	Measured in 0.01" Hg. Other units are converted from Hg and rounded to nearest 0.1 mm, 0.1 hPa, 0.1mb.
Corrected Range	26.00" to 32.00" Hg, 660 to 810 mm Hg, 880 to 1080 hPa or mb
Uncorrected Range	16.00" to 32.50" Hg, 410 to 820 mm Hg, 540 to 1100 hPa or mb
Elevation Range	-1500' to +15,300' (-460 m to 4670 m)
Uncorrected Reading Accuracy	
At -40° to +32°F (-40° to to 0°C)	-0.06/+0.15" Hg (-1.5 /+3.8 mmHg ; -2/+5 hPa/mb)
At +32° to +122°F (0° to +50°C)	±0.03" Hg (±0.8 mm Hg, ±1 hPa/mb)
At +122° to +140°F (+50° to +60°C)	-0.06/+0.15" Hg (-1.5 /+3.8 mmHg ; -2/+5 hPa/mb)
Sea-Level Reduction Equation Used	United States Method employed prior to use of current "R Factor" method
Equation Source	Smithsonian Meteorological Tables
Equation Accuracy	±0.01" Hg (±0.3 mm Hg, ±0.3 hPa/mb)
Elevation Accuracy Required	±10' (3m) to meet equation accuracy specification
Overall Accuracy	
At -40° to +32°F(-40° to to 0°C)	-0.07/+0.16" Hg (-1.8 /+4.1 mmHg ; -2.4/+5.4hPa/mb)
At +32° to +122°F (0° to +50°C)	±0.04" Hg (±1.0 mm Hg, ±1 hPa/mb)
At +122° to +140°F (+50° to +60°C)	-0.07/+0.16" Hg (-1.8 /+4.1 mmHg ; -2.4/+5.4hPa/mb)
Trend (change in 3 hours)	Change ±0.06" (2.0 hPa/mb, 1.5 mm Hg) = Rapidly Change ±0.02" (0.7hPa/mb, 0.5 mm Hg) = Slowly
Trend Indication	5 position arrow: Rising (rapidly or slowly), Steady, or Falling (rapidly or slowly)
Update Interval	Based on data plan
Alarms	High Threshold from Current Trend for Storm Clearing (Rising Trend Low Threshold from Current Trend for Storm Warning (Falling Trend)
Range for Rising and Falling Trend Alarms	0.01 to 0.25" Hg (0.1 to 6.4 mm Hg, 0.1 to 8.5 hPa/mb)

Inside Relative Humidity

Resolution and Units	1%
Range	1 to 100% RH
Accuracy	±3% from 1% to 90%; ±5% from 90% to 100%
Update Interval	Based on data plan
Alarms	High and Low Threshold from Instant Reading

InsideTemperature (or optional external temperature probe)

Resolution and Units	Current Data: 0.1°F or 1°F or 0.1°C or 1°C.°(nominal). Celsius is converted from Fahrenheit and rounded to the nearest 0.1° or 1°C. Historical Graph Data and Alarms: 1°F or 1°C. Celsius is converted from Fahrenheit and rounded to the nearest 1°C.
Range	
Inside	-40° to +140°F (-40° to +60°C)
External Temperature Probe	-40° to +150°F (-40° to +65°C)
Sensor Accuracy	±1°F (±0.5°C) typical
Update Interval	Based on data plan
Alarms	High and Low Thresholds from Instant Reading

Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Code
6620	14.75" x 11" x 5.25" 37.47 x 27.94 x 13.34 cm	10.8 lb 4.9 kg	011698009893