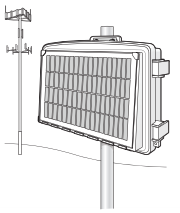
Vantage Connect®



6620,6620C
6621,6621C
6622, 6622C

Vantage Pro2™ Systems

Vantage Connect allows you to automatically upload data from a Davis Vantage 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	
GSM (6620, 6620C)	850, 900, 1800, 1900 MHz
CDMA (6621, 6621C)	800, 1900 MHz
3G UMTS (6622)	800, 850, 900, AWS1700, 1900, 2100 MHz
Operating Temperature	-40° to +140°F; -40° to +60°C
Storage Temperature	-40° to +140°F; -40° to +60°C
Average Current Draw	20 - 30 mA
Peak Current	2 A
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 charging, at 25°C)	
Wireless	16 - 21 days
Cabled	14 - 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	0.01" Hg, 0.1 mm, 0.1 hPa, 0.1mb. (user selectable)
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)
Accuracy	
At -40° to +32°F (-40° 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
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

Inside Temperature (or optional external temperature probe)

Resolution and Units	Current Data: 0.1°; °C is converted from °F and rounded to the nearest 0.1°C. Alarms: 1°; °C is converted from °F 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

Weather Station Wireless Communications

Transmit/Receive Frequency
- US Models . . . . . 902.0 - 928.0 MHz FHSS
- EU Models . . . . . 868.0 - 868.6 MHz FHSS
- Australia/Brazil Models . . . . . 918.0 - 926.0 MHz FHSS
- New Zealand Models . . . . . 921.0 - 928.0 MHz FHSS
- Japan Models . . . . . 928.15 - 929.65 MHz FHSS
- India Models . . . . . 865.0 - 867.0 MHz FHSS

ID Codes Available 8

Range
- Line of Sight . . . . . up to 1000 feet (300 m)
- Through Walls . . . . . 200 to 400 feet (60 to 120 m)

Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Code
6620	15.0" x 11.5" x 5.5" 38.1 x 29.2 x 14.0 cm	10 lb. 10 oz 4.8 kg	011698 00989 3
6620C			011698 00995 4
6621			011698 01140 7
6621C			011698 01156 8
6622			011698 01167 4
6622C			011698 01248 0