The Wireless Weather Envoy Wireless (6314) and Cabled Weather Envoy (6314C) provide a quick and easy way to get weather data onto your Windows 95 or later computer or Macintosh OS X computer using our WeatherLink software. WeatherLink allows you to log weather data, display graphs and plots on your computer, export weather data to a spreadsheet, and to upload weather information to the internet.

The Weather Envoy includes sensors to measure inside temperature, inside humidity, and barometric pressure. It is intended to be used in conjunction with our Integrated Sensor Suite (ISS) to report outside temperature and humidity, rainfall, wind speed and direction. Using optional sensors the Weather Envoy can also report solar radiation and UV. The Wireless Weather Envoy can be used in conjunction with our Wireless Temperature, Wireless Temperature and Humidity, and Wireless Leaf and Soil Moisture/Temperature Stations. All wireless products communicate via FCC-certified, license-free transmitters and receivers. The Cabled Weather Envoy is connected directly to the ISS via a cable and cannot be used with any of our smaller sensor stations and cannot be used with the Vantage Pro console. The Weather Envoy may be powered by batteries or by the included AC-power adapter.

Please refer to the Wireless or Cabled Vantage Pro Weather Station Spec Sheets for detailed information on the Vantage Pro ISS.

Specifications

General
- Operating Temperature: +14°F to +140°F (-10°C to +60°C)
- Non-operating Temperature: -5°F to +158°F (-20°C to +70°C)
- Current Draw, Cabled: 10 mA average, 15 mA peak at 4 to 6 VDC
- Current Draw, Wireless: 0.67 mA average, 15 mA peak, (plus .125 mA for each optional wireless transmitter in use) at 4 to 6 VDC
- AC Power Adapter: 5 VDC, 200 mA, regulated
- Batteries: 3 AA-cells
- Battery Life, Cabled: up to 6 months
- Battery Life, Wireless: up to 1 month
- Connectors: Modular RJ-11
- Cable Type: 4-conductor, 26 AWG
- Housing Material: UV-resistant ABS plastic
- Dimensions:
  - Cabled: 6.375" x 3.7" x 1.375" (162 mm x 94 mm x 35 mm)
  - Wireless (includes antenna): 6.375" x 4.35" x 1.375" (162 mm x 111 mm x 35 mm)
- Weight (with batteries): 0.58 lbs. (0.26 kg)

Communications
- Transmit/Receive Frequency:
  - US Models: 916.5 MHz
  - Overseas Models: 868.35 MHz
- Transmitter ID Channels Available: 8
- Output Power:
  - 916.5 MHz: FCC-certified low power, less than 1 mW, no license required
  - 868.35 MHz: CE-certified, less than 10 mW, no license required
- Range:
  - Line of Sight: up to 400 feet (120 m)
  - Through Walls: 75 to 150 feet (23 to 46 m) (typical, under most conditions)

Sensor Inputs
- RF Filtering: RC low-pass filter on each signal line

Sensor Outputs
- Inside Temperature:
  - Resolution and Units: Current Data: 0.1°F or 1°F or 0.1°C or 1°C (user-selectable)
  - Historical Data and Alarms: 1°F or 1°C (user-selectable)
  - Range: ±32°F to ±140°F (0°C to +60°C)
  - Sensor Accuracy: ±1°F (±0.5°C) up to 110°F (43°C), ±2°F (±1°C) over 110°F (43°C)
  - Update Interval: 1 minute
  - Current Data: Instant Reading (user adjustable); Daily and Monthly High and Low
  - Historical Data: Hourly Readings; Daily and Monthly Highs and Lows
  - Alarms: High and Low Thresholds from Instant Reading
Barometric Pressure (sensor located in console)
- Resolution and Units: 0.01" Hg, 0.1 mm Hg, 0.1 hPa/mb (user-selectable)
- Corrected Range: 26.00" to 32.00" Hg, 660.0 to 810.0 mm Hg, 880.0 to 1080.0 hPa/mb
- Uncorrected Range: 18.00" to 33.50" Hg, 457.0 to 850.0 mm Hg, 592.0 to 1130.0 hPa/mb
- Elevation Range: -999' to +12,500' (-305 m to 3810 m)
- Uncorrected Reading Accuracy: ±0.03" Hg (±0.8 mm Hg, ±1.0 hPa/mb) (at room temperature)
- 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: ±0.04" Hg (±1.0 mm Hg, ±1.4 hPa/mb)
- Trend (change in 3 hours): Change ±0.6" (2 hPa/mb, 1.5 mm Hg) = Rapidly
  Change ±0.2" (.7hPa/mb, .5 mm Hg)= Slowly
- Trend Indication: 5 position arrow: Rising (rapidly or slowly), Steady, or Falling (rapidly or slowly)
- Update Interval: 15 minutes or when console BAR key is pressed twice
- Current Data: Instant, 15-min., and Hourly Reading; Daily, Monthly, High and Low
- Historical Data: 15-min. and Hourly Reading; Daily, Monthly Highs and Lows
- 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 (sensor located in console)
- Range: 10 to 90% RH
- Accuracy: ±5%
- Update Interval: 1 minute
- Current Data: Instant (user adjustable) and Hourly Reading; Daily, Monthly High and Low
- Historical Data: Hourly Readings; Daily, Monthly Highs and Lows
- Alarms: High and Low Threshold from Instant Reading

Clock
- Resolution: 1 minute
- Units: Time: 12 or 24 hour format (user-selectable)
- Units: Time: Automatic Daylight Savings Time (for users in North America, Europe and Australia that observe it in AUTO mode, MANUAL setting available for all other areas)
- Date: Automatic Leap Year