Weather Envoy Wireless and Cabled Models



6316 63160

Vantage Pro2™ Systems

The Wireless Weather Envoy (# 6316) and Cabled Weather Envoy (# 6316C) provide a quick and easy way to get weather data onto your Windows® or Macintosh® computer using WeatherLink® software.

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 and UV radiation. (For outdoor sensor specifications, see the specification sheets for the system or sensor.)

In the wireless version only, you may connect an external temperature probe (6475 or 6477) to replace the Weather Envoy's internal temperature sensor. The Wireless Weather Envoy can also 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 other sensor stations and cannot be used with the Vantage Pro2 console.

Weather Envoy is powered by an included AC-power adapter with three AA battery backup. (Lithium batteries are recommended in low temperature applications.)

Please refer to the Wireless or Cabled Vantage Pro2 Weather Station Spec Sheets for detailed information on the Vantage Pro2 ISS data.

General

Operating Temperature	. 0° to +140°F (-18° to +60°C)
Storage Temperature	22° to +158°F (-30° to +70°C)
Current Draw, Wireless	. 0.90 mA average, 20 mA peak, (plus 0.125 mA for each optional wireless transmitter in use) at 4 to 6 VDC
Current Draw, Cabled	. 10 mA average, 15 mA peak at 4 to 6 VDC
AC Power Adapter	. 5 VDC, 200 mA, regulated
Batteries	. 3 AA-cells
Backup Battery Life, Wireless	. up to 4 months
Backup Battery Life, Cabled	. up to 1 month
Connectors	. Modular RJ-11
Cable Type (cabled only, not included)	. 4-conductor, 26 AWG
Housing Material	. UV-resistant PVC plastic
Dimensions (length x width x height)	. 6.5" x 1.5" x 3.75" (165 mm x 38 mm x 95 mm)
Weight (with batteries)	. 0.58 lbs. (0.26 kg)

Weather Envoy

Communication (Wireless Version Only)

Transmit/Receive Frequency

 US Models
 902-928 MHz FHSS,

 EU Models
 868.0 - 868.6 MHz FHSS

 Japan Models
 928.15 - 929.65 MHz FHSS

 NZ Models
 921-928 Mhz FHSS

 India Models
 865.0 - 867.0 MHz

Output Power

license required

required.

Range: All models except Japan

Range: Japan models

Sensor Inputs

Sensor Data From Envoy

Barometric Pressure (sensor located in Envoy)

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.

Sea-Level Reduction Equation Used United States Method employed prior to use of current "R Factor"

method

Elevation Accuracy Required..... ±10' (3m) to meet equation accuracy specification

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)

Current and Historical Data Based on WeatherLink display

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)

Humidity

Inside Relative Humidity (sensor located in Weather Envoy)

Update Interval 1 minute

Current and Historical Data Based on WeatherLink display

Temperature

Inside Temperature (sensor located in Weather Envoy), or with optional external temperature probe

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

Current and Historical Data Based on WeatherLink display

Clock

Date: US or International format (user-selectable)

Adjustments

and Australia that observe it in AUTO mode, MANUAL setting

available for all other areas)

Date..... Automatic Leap Year

Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
6316	10.25" x 5.63" x 3.0" (260 mm x 143 mm x 76 mm)	1 lb. (0.45 kg)	011698 00749 3
6316EU			011698 00770 7
6316UK			011698 00771 4
6316C			011698 00757 8
6316CEU			011698 00789 9
6316CUK			011698 00790 5