

Integrated Sensor Suites

Vantage Vue Integrated Sensor Suite

Because Vantage Vue's transmitters are radio-compatible with Vantage Pro2, you can mix and match components. The ISS can transmit to Vantage Vue and wireless Vantage Pro2 consoles, wireless Weather Envoy, Envoy8X and Vantage Connect. Mounting pole not included.

6357 Vantage Vue Integrated Sensor Suite



Vantage Pro2 Integrated Sensor Suite

Includes all the features of the Vantage Pro2 and Pro2 Plus integrated sensor suites shown on page 8. Compatible with Vantage Vue and Vantage Pro2 consoles, Weather Envoy, Envoy8X and Vantage Connect. Mounting pole not included.

WIRELESS INTEGRATED SENSOR SUITE
6322 with Standard Radiation Shield
6323 with 24-Hour Fan-Aspirated Radiation Shield

CABLED INTEGRATED SENSOR SUITE*
6322C with Standard Radiation Shield

WIRELESS INTEGRATED SENSOR SUITE PLUS
with UV and Solar Radiation Sensors
6327 with Standard Radiation Shield
6328 with 24-Hour Fan-Aspirated Radiation Shield

CABLED INTEGRATED SENSOR SUITE PLUS
*with UV and Solar Radiation Sensors**
6327C with Standard Radiation Shield

* Cabled Integrated Sensor Suites can only be used with a cabled Vantage Pro2 console, cabled Envoy or cabled Vantage Connect, and include 100 ft. (30 m) cable.

All Vantage Vue and wireless Vantage Pro2 Integrated Sensor Suites can be used with Vantage Connect, wireless Weather Envoy and Envoy8X.

All Integrated Sensor Suites are compatible with WeatherLink (see page 18).

NEW! GroWeather® Integrated Sensor Suite FOCUS ON AGRICULTURE

6825 GroWeather Wireless
with Solar Radiation Sensor
and 24-Hour Fan-Aspirated
Radiation Shield

6825C GroWeather Cabled
with Solar Radiation Sensor
and 24-Hour Fan-Aspirated
Radiation Shield*



Add special-purpose stations or sensors

Customize your Vantage Pro2 weather station, Vantage Connect, Weather Envoy or Envoy8X by adding special-purpose stations and sensors. Each can receive data from up to eight different transmitting stations.



Wireless Leaf & Soil Moisture/Temperature Station (Solar-powered)

Includes a transmitter and backup battery inside a weather-resistant shelter. To view the data for up to eight stations, add an Envoy8X and WeatherLink (see chart on page 11). Vantage Pro2 console/receiver or Weather Envoy and WeatherLink can only receive data from either:

- A single fully-populated station with two Leaf Wetness Sensors, four Soil Moisture Sensors, and four Temperature Probes,
- OR**
- Two partially-populated stations, one with two Leaf Wetness Sensors and two Temperature Probes, and the other with four Soil Moisture Sensors and four Temperature Probes.

Available in two models. Choose the model without sensors (6345), and add only those you need to meet your requirements. Or choose the Complete Soil Moisture/Temperature Station (6345CS), and add one or two Leaf Wetness Sensors as desired. Compatible with the 6470 Stainless Steel Temperature Probe with 2-Wire Termination.

6345 Wireless Leaf & Soil Moisture/Temperature Station
without sensors



6345CS Complete Soil Moisture/Temperature Station with 4 soil moisture sensors and 4 temperature probes





1. Solar Radiation Sensor

Measures the intensity of solar irradiance, enabling display of incident power (Watts per square meter) and cumulative energy (Langleys). Diffuser element and housing are designed specifically for accurate cosine response. Silicon photo diode provides a good match to solar spectrum. Two-piece housing minimizes radiation heating, allows convection cooling of the sensor and prevents the trapping of water or dust. To mount next to a rain collector, add our Sensor Mounting Shelf (not included, see page 17). Includes 2 ft. (0,6 m) cable.

6450 Solar Radiation Sensor



2. UV Sensor

Measures the intensity of the sunburning portion of the UV spectrum (UVA and UVB), closely matching the Erythema Action Spectrum. Allows you to display UV Index, dose rate and daily and accumulated dose. Latest-technology transducer and newly-designed electronics provide greater accuracy and stability. The new comb structure provides improved cosine response accuracy at zenith angles up to 90 degrees. Two-piece housing minimizes radiation heating, allows convective cooling of the sensor and prevents the trapping of water or dust. To mount next to a rain collector add our Sensor Mounting Shelf (not included, see page 17). Includes 2 ft. (0,6 m) cable.

6490 UV Sensor

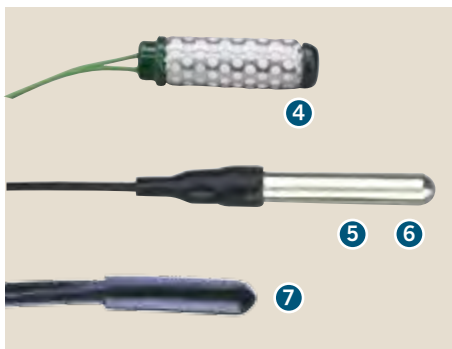
PATENT PENDING



3. Leaf Wetness Sensor

Use to monitor the level of surface moisture on foliage, with range from 0 (completely dry) to 15 (saturated). Add up to two sensors to a single Wireless Leaf & Soil Moisture/Temperature Station. Includes 40 ft. (12 m) cable.

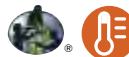
6420 Leaf Wetness Sensor



4. Soil Moisture Sensor

Uses electrical resistance Watermark soil moisture sensor to measure the moisture level of the soil. Does not require periodic maintenance during the growing season. Simply bury at the desired depth, then monitor moisture levels throughout the season. Add up to four sensors to a single Leaf & Soil Moisture/Temperature Station. Includes 15 ft. (4,6 m) cable.

6440 Soil Moisture Sensor



5. Stainless Steel Temperature Probe with 2-Wire Termination

Multi-purpose temperature probe with 2.5" (64 mm) long stainless steel housing. Use to measure temperature of air, soil, or water. Add up to four probes to a single Leaf & Soil Moisture/Temperature Station. Includes 15 ft. (4,6 m) direct-burial cable.

6470 Stainless Steel Temperature Probe with 2-Wire Termination



6. Stainless Steel Temperature Probe with RJ Connector

Multi-purpose temperature probe with 2.5" (64 mm) long stainless steel housing. Use to measure temperature of air, soil, or water. Use with Weather Envoy, Envoy8X and Anemometer/Sensor Transmitter Kit. Includes 25 ft. (7,6 m) cable.

6475 Stainless Steel Temperature Probe with RJ Connector



7. Temperature Probe with RJ Connector

Temperature probe with durable plastic housing. Use to measure temperature of air, soil or water. Use with Weather Envoy, Envoy8X and Anemometer/Sensor Transmitter Kit. Includes 25 ft. (7,6 m) cable.

6477 Temperature Probe with RJ Connector



8. Anemometer

Includes both wind speed and wind direction sensors. Rugged components stand up to hurricane-force winds, yet are sensitive to the lightest breeze. Wind-tunnel tested to speeds in excess of 200 miles per hour. Sealed stainless steel ball bearings for long life. Comes complete with mounting hardware. Includes 40 ft. (12 m) cable.

6410 Anemometer



9. Rain Collector

Designed to meet the guidelines of the World Meteorological Organization, our self-emptying rain collector with tipping bucket is exceptionally accurate. Measures in 0.01" or 0,2 mm increments. Includes mounting hardware and 40 ft. (12 m) cable, bird spikes and debris screen.

7852 Rain Collector

PATENT PENDING



10. Rain Collector with Mountable Base

Same accurate measuring mechanism as the original design. Uses the Vantage Pro2 base for easy mounting on a pole, post or flat surface. Meets the guidelines of the World Meteorological Organization. Measures in 0.01" or 0,2 mm increments. Includes mounting hardware and 40 ft. (12 m) cable, bird spikes and debris screen.

7857 Rain Collector with Mountable Base

PATENT PENDING



11. Turbo Meter™

Reads wind speed in mph, knots, fpm or m/s. Turbine suspended on sapphire jewel bearings responds to the lightest of winds. 3-digit display offers excellent viewing contrast both in bright sunlight and at night. Requires 3 AAA alkaline batteries (not included). 3 oz (85 g) not including batteries.

271 Turbo Meter



See page 31 for extension cables and maximum cable lengths.