



Watchdog Sprayer Station with Console - effectively monitor pesticide drift

Product Images



Short Description

Manage pesticide drift with the new ultrasonic WatchDog Sprayer Station to monitor & log weather.

Description

Effective management of pesticide drift is increasingly important to pesticide applicators. Now you can monitor and data log weather conditions with the ultrasonic WatchDog Sprayer Station.

Accurate data helps pesticide applicators make important decisions regarding weather conditions that affect safety, drift, and proper pesticide application. User controlled data logging of weather conditions provides evidence of suitable conditions for pesticide application.

Smaller than a can of soda, this all-in-one weather station measures air temperature, humidity, dew point, wind chill, barometric pressure and apparent wind speed and direction. It handles adverse conditions with a UV stabilized, compact housing that is fully waterproof and resistant to chemicals. Reliability is enhanced by eliminating moving parts: the traditional wind vane and cups have been replaced with ultrasonic transducers.

The WatchDog Sprayer Station is more than a compact and capable weather station. While on-the-go, the station uses its internal compass and GPS to adjust the wind sensor values by subtracting the vehicle speed and direction to compute the true wind speed and direction. Continuously log your weather parameters at a user-selectable rate or hit the "Save" button to capture a snapshot of the current conditions.

WatchDog Sprayer System Sensors:

- Apparent Wind Speed and Direction
- GPS: Course and Speed (vehicle speed & direction, location, and satellite signal strength)
- True Wind Speed and Direction (computed)
- Air Temperature
- Relative Humidity
- Dew Point (computed)
- Barometric Pressure.

Additional Information

Brand	Spectrum Technologies
Contents	<p>Item 3349SSCH WatchDog Sprayer Station with Console includes the sensor unit with magnetic mount, display console with built-in data logger, CD with all software, 21ft (7m) cable with vehicle power and serial connectors.</p> <p>Item 3349SS - The WatchDog Sprayer Station includes the sensor unit with magnetic mount, display/logging program for Windows Mobile PDA or Windows Laptop, 21ft (7m) cable with vehicle power and serial connectors.</p> <p>Item 3349CN - The WatchDog Sprayer Station Console includes display console with built-in data logger, CD with all software, 21ft (7m) cable with vehicle power and serial connectors. Console displays & logs conditions and downloads them to your PC.</p>
Explanation	<p>Wind Resolution - Speed: 0.1 mph (0.2 km/h); Direction 1°</p> <p>Wind Speed Range: 0 to 90 mph (0 to 145 km/h)</p> <p>Wind Speed Accuracy: <12 mph (19 km/h): ± 1.1 mph (1.7 km/h) + 10%; >12 mph (19 km/h): ± 2.3 mph (3.7 km/h) or ± 5%</p> <p>Wind Direction Accuracy: 4 to 11 mph (6 to 18 km/h): ±5°; >12 mph (19 km/h): ±2°</p> <p>Wind Accuracy Temperature Range: 32° to 131°F (0° to 55°C)</p> <p>Operating Temperature: -13° to 131°F (-25° to 55°C)</p> <p>Temperature Accuracy: ±1.8°F (±1°C) with wind above 4.6 mph (7.4 km/h)</p> <p>Relative Humidity Range: 10 to 95%</p> <p>Relative Humidity Accuracy: ±4% with wind above 4.6 mph (7.4 km/h)</p> <p>Barometric Pressure Range: 24 to 33 in-Hg (800 to 1100 hPa)</p> <p>Barometric Pressure Accuracy: ± 0.029 in-Hg (± 1 hPa)</p> <p>Power Supply Voltage: 9 to 40 VDC; Current: <70 mA</p>
Ideal For	Agronomy
Measurements	Barometric Pressure, Dew Point, Humidity, Temperature, Wind Direction, Wind Speed
Power	Power Supply Voltage: 10 to 16 VDC. Console Specifications: Supply Voltage = 10-16VDC (nominal 12VDC), Supply Current = 2 mA

Software

When connected to a Windows laptop/PC (not included), the included software program provides a large, easy-to-read display of the current conditions.

Another option for viewing your data is the Sprayer Station Console. Monitor the weather in the cab, then slide the Console out and connect it to your PC to archive any weather data you logged.