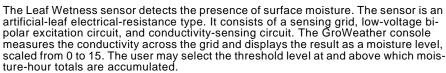
Leaf Wetness Sensor, for Vantage Pro

For the Wireless Leaf & Soil Moisture/Temperature Station (6343)





The sensing grid is a gold-plated etched circuit on an epoxy-glass substrate; the excitation and sense circuits are encapsulated in black epoxy. The included mounting bracket holds the sensor at a 45° angle to simulate a typical leaf position and to permit runoff of excess moisture; it may be mounted on a vertical post, pipe, or stake, or on the Sensor Mounting Arm.

Specifications

General	
Sensor Type	Artificial leaf electrical resistance
Excitation	Bipolar (3V nominal) built-in
Time Constant	2 seconds
Attached Cable Length	40' (12 m)
Cable Type	4-conductor, 26 AWG
Connector	Modular connector (RJ-11)
Recommended Maximum Cable Length (see Note 1).	200' (61 m) using 4-conductor 26 AWG cable
Material	
Substrate	Glass-reinforced, ceramic-filled laminate
Grid	
Mounting Bracket	White powder-coated aluminum
Dimensions	
	2" high x 1.5" wide x 0.25" thick (51 mm x 38 mm x 6 mm)
Sensor Area	,
Weight	11 oz. (312 g)
Data Available at Console and in WeatherLink	
Resolution	
Range	
Dry/Wet Threshold	User-selectable
•	
Accuracy	±0.5
Update Interval	±0.5 62.5 to 75 seconds
Update Interval	±0.5 62.5 to 75 seconds Instant Reading; Daily High and Low; Monthly High
Update Interval	±0.5 62.5 to 75 seconds Instant Reading; Daily High and Low; Monthly High Hourly Readings; Daily Highs and Lows; Monthly Highs
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Update Interval Current Data Historical Data Alarms	±0.5 62.5 to 75 seconds Instant Reading; Daily High and Low; Monthly High Hourly Readings; Daily Highs and Lows; Monthly Highs High and Low Thresholds from Instant Reading
Update Interval	±0.5 62.5 to 75 seconds Instant Reading; Daily High and Low; Monthly High Hourly Readings; Daily Highs and Lows; Monthly Highs High and Low Thresholds from Instant Reading 100 µA (typical) @ 3 VDC
Update Interval	±0.5 62.5 to 75 seconds Instant Reading; Daily High and Low; Monthly High Hourly Readings; Daily Highs and Lows; Monthly Highs High and Low Thresholds from Instant Reading 100 µA (typical) @ 3 VDC
Update Interval Current Data Historical Data Alarms Input/Output Supply Voltage and Current Output Connections Yellow	±0.5 62.5 to 75 seconds Instant Reading; Daily High and Low; Monthly High Hourly Readings; Daily Highs and Lows; Monthly Highs High and Low Thresholds from Instant Reading 100 µA (typical) @ 3 VDC 2.5 to 3 VDC
Update Interval Current Data Historical Data Alarms Input/Output Supply Voltage and Current Output Connections	±0.5 62.5 to 75 seconds Instant Reading; Daily High and Low; Monthly High Hourly Readings; Daily Highs and Lows; Monthly Highs High and Low Thresholds from Instant Reading 100 µA (typical) @ 3 VDC 2.5 to 3 VDC 3 VDC Ground

Notes

Increasing the cable length above the recommended maximum cable length causes measurement error in the form
of lower leaf wetness readings.