

# Vantage Pro2 Option

(sensors incl.)

wireless leaf & soil moisture / temperature station



**SENSORS**

## Vantage Pro2 Option

art.no. 6345CSOV

### soil moisture / temperature station

Wireless complete station for soil moisture and temperature being able to monitor up to four temperature-compensated soil moisture sensors and four temperature probes anywhere within transmission range of the wireless Vantage Pro2 console. The station is solar-powered and contains a battery for hedging purposes. To view the data, you need a wireless Vantage Pro2 console/receiver or Weather Envoy and WeatherLink. The station can also be ordered without sensors or be complemented by other sensors.

#### scope of delivery:

- wireless soil moisture / temperature station
- 4 soil moisture and 4 temperature sensors
- mounting hardware

<b>soil moisture</b>	meas. range:	0 cb to 200 cb
	resolution:	1 cb
<b>outside temperature</b>	meas. range:	-40°C to +65°C
	resolution:	1°C
	accuracy:	±0.5°C
	optional indication in °F	
<b>wireless communications</b>	transmitting/receiving frequency:	US models: 902-928 MHz FHSS European models: 868.0-868.6 MHz FHSS.
	ID codes available:	8
	output power:	US models: less than 8 mW, no license required (FCC-certified) European models: less than 8 mW, no license required (CE-certified)
	meas. range:	up to 300 m (at free sight)

#### general information

##### station

dimensions (L x W x H):	158,75 mm x 200 mm x 57,15 mm
weight:	0,49 kg (with battery, without sensors)

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housing material:	UV-resistant PVC plastic
solar power panel:	0,5 Watts
current draw:	0,14 mA (average), 30 mA (peak) (of external power source)
batteries:	CR123A 3-Volt Lithium cell
battery life:	8 months without sun light – more than 2 years depending on solar charging
permissible operating temperature:	-40°C to +65°C
<b>leaf wetness sensor:</b>	
sensor type:	electrical resistance
cable type:	4-conductor, 26 AWG
connector:	modular RJ-11
maximum cable length:	61 m using 4-conductor 26 AWG cable
<b>soil moisture sensor:</b>	
sensor type:	electrical resistance
standard cable:	4,6 m watermark standard two-wire, stripped and tinned
maximum cable length:	18 AWG: 243 m (UF wire recommended)
<b>temperature probe:</b>	
sensor type:	thermistor
standard cable:	4,6 m 22 AWG direct burial cable, stripped and tinned
maximum cable length:	24 AWG: 244 m, 22 AWG: 365 m

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