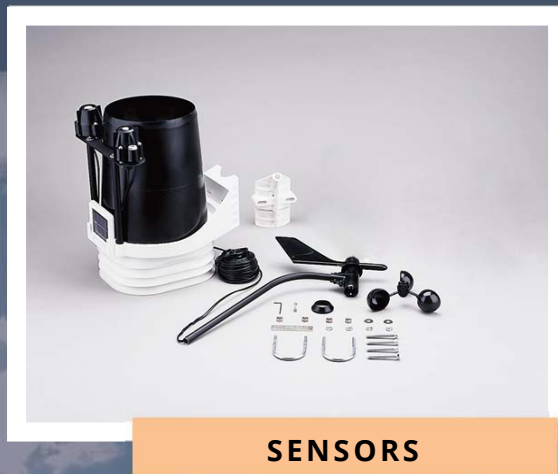


Vantage Pro2 Plus

(UV / solar sensor incl.)

integrated sensor suite (ISS)


SENSORS

Vantage Pro2 Plus ISS

art.no. 63270V

Wireless integrated sensor suite (ISS) combining a rain collector, temperature and humidity sensor, a solar radiation and UV radiation sensor and anemometer all into one system. The Vantage Pro2 can also be customized by adding additional displaying and controlling consoles or by choosing special options.

scope of delivery:

- integrated sensor suite (ISS) with rain collector, temperature and humidity sensor, solar radiation and UV radiation sensor and anemometer (passive shield)
- transmitter (in weather-resistant shelter), distance range is up to 300 m outdoors, at free sight.
- 12 m anemometer cable
- mounting hardware

wind speed	meas. range:	1.0 m/s to 80.0 m/s or 1 km/h to 320 km/h
	resolution:	0.1 m/s or 1 km/h
	accuracy:	±5 %
	wind speed can optionally be indicated in meters/second (m/s), kilometers/hour (km/h), miles/hour (mph) or knots	
	Wind development in connection with WeatherLink only	
wind direction	meas. range:	0° to 360°
	resolution:	1° on numeric display, 22.5° on compass rose
	accuracy:	±3°
outdoor temperature	meas. range:	-40.0°C to +65.0°C
	resolution:	0.1°C
	accuracy:	±0.5°C
	optional indication in °F	
wind chill (calculated value: difference between measured and felt temperature on base of wind speed)	meas. range:	-79°C to +57°C
	resolution:	1°C
	accuracy:	±1°C
	optional indication in °F	
heat index (outdoors) (calculated value: felt temperature based on air temperature and relative air humidity)	meas. range:	-40°C to +74°C
	resolution:	1°C
	accuracy:	±1.5°C
	optional indication in °F	

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relative humidity (outdoors)	meas. range:	1 % to 100 %
	resolution:	1 %
	accuracy:	±3 %
dewpoint (outdoors)	meas. range:	-76°C to +54°C
	resolution:	1°C
	accuracy:	±1.5°C
	optional indication in °F	
precipitation	rainfall	
	meas. range:	0.0 mm to 6,553.0 mm
	resolution:	0.2 mm
	accuracy:	±4 %
	rate of rainfall	
	meas. range:	0.0 mm/h to 2,438.0 mm/h
	resolution:	0.1 mm/h
	accuracy:	±5 % ≤127 mm/h
	precipitation can be indicated optionally in inch (in) or millimeter (mm) respectively in inches/hour (in/h) or millimeters/hour (mm/h)	
solar radiation	meas. range:	0 W/m ² to 1,800 W/m ²
	resolution:	1 W/m ²
	accuracy:	±5 %
	solar energy in connection with WeatherLink only	
UV radiation dose	meas. range:	0.0 MEDs to 199.0 MEDs
	resolution:	0.1 MEDs
	accuracy:	±5 %
UV radiation index	meas. range:	0.0 bis 16.0
	resolution:	0.1
	accuracy:	±5 %
evapotranspiration (ETo)	meas. range:	0.0 mm bis 1999.9 mm
	resolution:	0.1 mm
	accuracy:	±5 %
	optional indication in inch (in)	

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wireless communications	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)
	distance range:	up to 300 m (at sight)
general information	ISS	
	dimensions (L x W x D):	279 mm x 355 mm x 238 mm
	weight:	approx. 2.6 kg
	housing material:	UV-resistant PVC plastic
	current draw:	0.14 mA (average), 30 mA (peak) at 4 to 6 VDC
	solar power panel:	0.5 Watts / 0.75 Watts
	batteries:	CR-123 3-Volt lithium cell / 2 - 1.2 Volt NiCad C-cells
	battery life:	3-Volt lithium cell: approx. 8 months without sunlight - more than 2 years depending on solar charging NiCad C-cells: 1 year
	permissible operating temperature:	-40°C to +65°C
	connectors:	modular RJ-11
	cable type:	4-conductor, 26 AWG
	cable length (anemometer):	12 m (included) 165 m (maximum recommended)

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