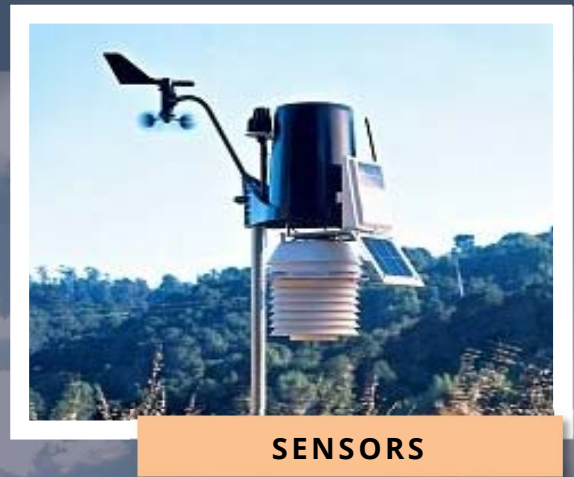


# Vantage Pro2 Plus Active

(UV / solar sensor & 24-hour fan-aspirated radiation shield incl.)

integrated sensor suite (ISS)



**SENSORS**

## Vantage Pro2 Plus Active

art.no. 63280V

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). Includes a solar-powered 24-hour fan-aspirated radiation shield for maximum accuracy of temperature and humidity readings.
- transmitter (in weather-resistant shelter), distance range is up to 300 m outdoors, at free sight.
- 12 m anemometer cable
- mounting hardware

<b>wind speed</b>	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	
<b>wind direction</b>	meas. range:	0° to 360°
	resolution:	1° on numeric display, 22.5° on compass rose
	accuracy:	±3°
<b>outdoor temperature</b>	meas. range:	-40.0°C to +65.0°C
	resolution:	0.1°C
	accuracy:	±0.5°C
	optional indication in °F	
<b>wind chill</b> (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	

Order directly online at: [www.gsg-e-shop.com](http://www.gsg-e-shop.com)



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<b>heat index (outdoors)</b> (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	
<b>relative humidity (outdoors)</b>	meas. range:	1 % to 100%
	resolution:	1 %
	accuracy:	±3 %
<b>dewpoint (outdoors)</b>	meas. range:	-76°C to +54°C
	resolution:	1°C
	accuracy:	±1.5°C
	optional indication in °F	
<b>precipitation</b>	<b>rainfall</b>	
	meas. range:	0.0 mm to 6,553.0 mm
	resolution:	0.2 mm
	accuracy:	±4 %
	<b>rate of rainfall</b>	
	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)	
<b>solar radiation</b>	range:	0 W/m <sup>2</sup> to 1,800 W/m <sup>2</sup>
	resolution:	1 W/m <sup>2</sup>
	accuracy:	±5 %
	solar energy in connection with WeatherLink only	
<b>UV radiation dose</b>	meas. range:	0.0 MEDs to 199.0 MEDs
	resolution:	0.1 MEDs
	accuracy:	±5 %
<b>UV radiation index</b>	meas. range:	0.0 bis 16.0
	resolution:	0.1
	accuracy:	±5 %
<b>evapotranspiration (ETo)</b>	meas. range:	0.0 mm bis 1,999.9 mm
	resolution:	0.1 mm
	accuracy:	±5 %
	optional indication in inch (in)	

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<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)
	distance range:	up to 300 m (at free sight)
<b>general information</b>	<b>ISS</b>	
	dimensions (L x W x D):	279 mm x 533 mm x 238 mm
	weight:	approx. 4.08 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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