

# Vantage Pro2 Plus

(UV / solar sensor incl.)  
cabled weather station



**CABLED**

## Vantage Pro2 Plus

art.no. **6162CEU**

Cabled weather station with integrated sensor suite (ISS) combining rain collector, temperature and humidity sensor, 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:

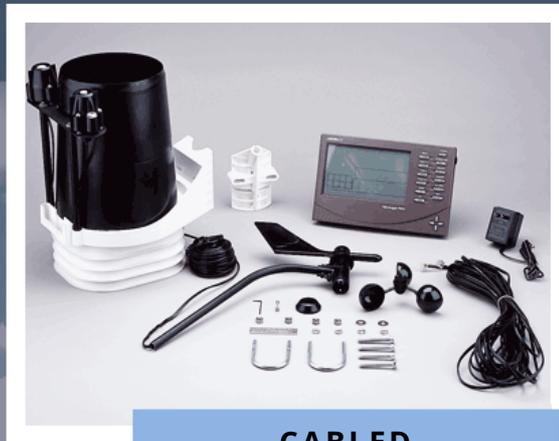
- console with AC-power adapter (power supply 220 V/50 Hz); cabled console may also be run using three C batteries.
- integrated sensor suite (ISS) with rain collector, temperature and humidity sensor, solar radiation and UV radiation sensor and anemometer (passive shield)
- 12 m anemometer cable
- mounting hardware
- 30 m cable from console to integrated sensor suite

<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>temperature</b>	<b>outdoors</b>	
	meas. range:	-40.0°C to +65.0°C
	resolution:	0.1°C
	accuracy:	±0.5°C
	<b>indoors</b>	
	meas. range:	0.0°C to +60.0°C
	resolution:	0.1°C
accuracy:	±0.5°C	
optional indication in °F		

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<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	
<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 heat index (indoors) in connection with WeatherLink only	
<b>barometric pressure</b>	meas. range:	410.0 mmHg to 820.0 mmHg or 540.0 mbar (hPa) to 1,100.0 mbar (hPa)
	resolution:	0.1 mmHg 0.1 mbar (hPa)
	accuracy:	±0.8 mmHg ±1.0 mbar (hPa)
	air pressure can optionally be indicated in inch (in), millimeters mercury (mmHg), millibar (mbar) or hectopascal (hPa) indication of air pressure tendency: indicates the current air pressure tendency of the past three hours	
<b>relative humidity</b>	<b>outdoors</b>	
	meas. range:	1 % to 100 %
	resolution:	1 %
	accuracy:	±3 %
	<b>indoors</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 dewpoint (indoors) in connection with WeatherLink only	

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<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 inch/hour (in/h) or millimeter/hour (mm/h)			
<b>solar radiation</b>	meas. 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)			
<b>moon phases</b>	the moon phase indication shows the current status of the moon		
	symbols:	new moon, waxing crescent, first quarter, waxing gibbous, full moon, waning gibbous, last quarter, waning crescent	

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<b>time and date</b>	resolution:	1 minute (time) 1 day/month (date)
	accuracy:	±8 seconds/month
	indication of time:	12 or 24 hour format
	indication of date:	„day/month“ or „month/day“ format
<b>sunrise and sunset</b>	resolution:	1 minute
	accuracy:	±1 minute
	After 6 o'clock a.m. the sunrise time of the following day is indicated. For an exact accordance of the time of sunrise and sunset to your location you have to enter longitude and latitude of your position.	
<b>general information</b>	<b>console</b>	
	dimensions console (L x W x D):	244 mm x 156 mm x 38 mm
	dimensions display (L x H):	151 mm x 86 mm
	weight:	approx. 0.85 kg
	housing material:	UV-resistant PVC plastic
	display type:	LCD transfective
	current draw:	0.10 mA (average), 15 mA (peak), (plus 120 mA for display lamps) at 4 bis 6 VDC
	AC power adapter:	5 VDC, 200 mA
	batteries:	3 x C-cells
	battery life:	1 month (approximately)
	permissible operating temperature of the console:	-10°C to +60°C
	permissible operating temperature of the display:	0°C to +60°C
	connectors:	modular RJ-11
	cable length:	30 m
	<b>ISS</b>	
	dimensions (L x W x D):	279 mm x 388 mm x 238 mm
	weight:	approx. 2.8 kg
	housing material:	UV-resistant PVC plastic
	power source:	Vantage Pro2 console / AC-power adapter
	permissible operating temperature:	-40° to +60°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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