

# Vantage Pro2

cabled weather station


**CABLED**

## Vantage Pro2

 art.no. **6152CEU**

Cabled weather station with integrated sensor suite (ISS) combining rain collector, temperature and humidity 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 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° to +60.0°C
	resolution:	0.1°C
	accuracy:	±0.5°C
	optional indication in °F	

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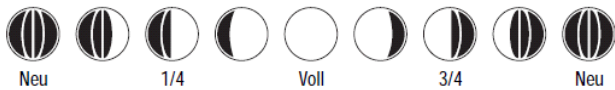
<b>wind chill</b> (calculated value: difference between measured and felt temperature on base of wind speed)	meas. range:	-79°C to +57°C
	resolution:	1°C
	accuracy:	±1°C
	optional indication in °F	
<b>heat index (outdoors)</b> (calculated value: felt temperature based on air temperature and relative 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 %
<b>dewpoint (outdoors)</b>	meas. range:	-76° 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
<b>moon phases</b>	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)	
	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
		
<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.	

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**general information**
**console**

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° to +60°C
permissible operating temperature of the display:	0° to +60°C
connectors:	modular RJ-11
cable length:	30 m

**ISS**

dimensions (L x W x D):	279 mm x 388 mm x 238 mm
weight:	approx. 2.6 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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