

Reliable Weather Monitoring

Research-Grade Weather Station



Standard Measurements

- Wind speed
- Wind direction
- Air temperature
- Relative humidity
- Barometric pressure
- Precipitation
- Solar radiation
- Soil water content

Overview

The MetPRO™ is a highly accurate, durable, research-grade meteorological monitoring station, designed for a wide-variety of demanding environmental applications. This portable tripod station is suitable for both long-term and temporary deployments on flat or uneven terrain.

This system includes high quality sensors, which are needed for defensible data in environmental research as well as critical operations dependent on continual weather monitoring. The MetPRO's meteorological measurements can be used to calculate evapotranspiration, growing-degree days, wind chill, dew point, and other weather-related parameters.

Benefits and Features

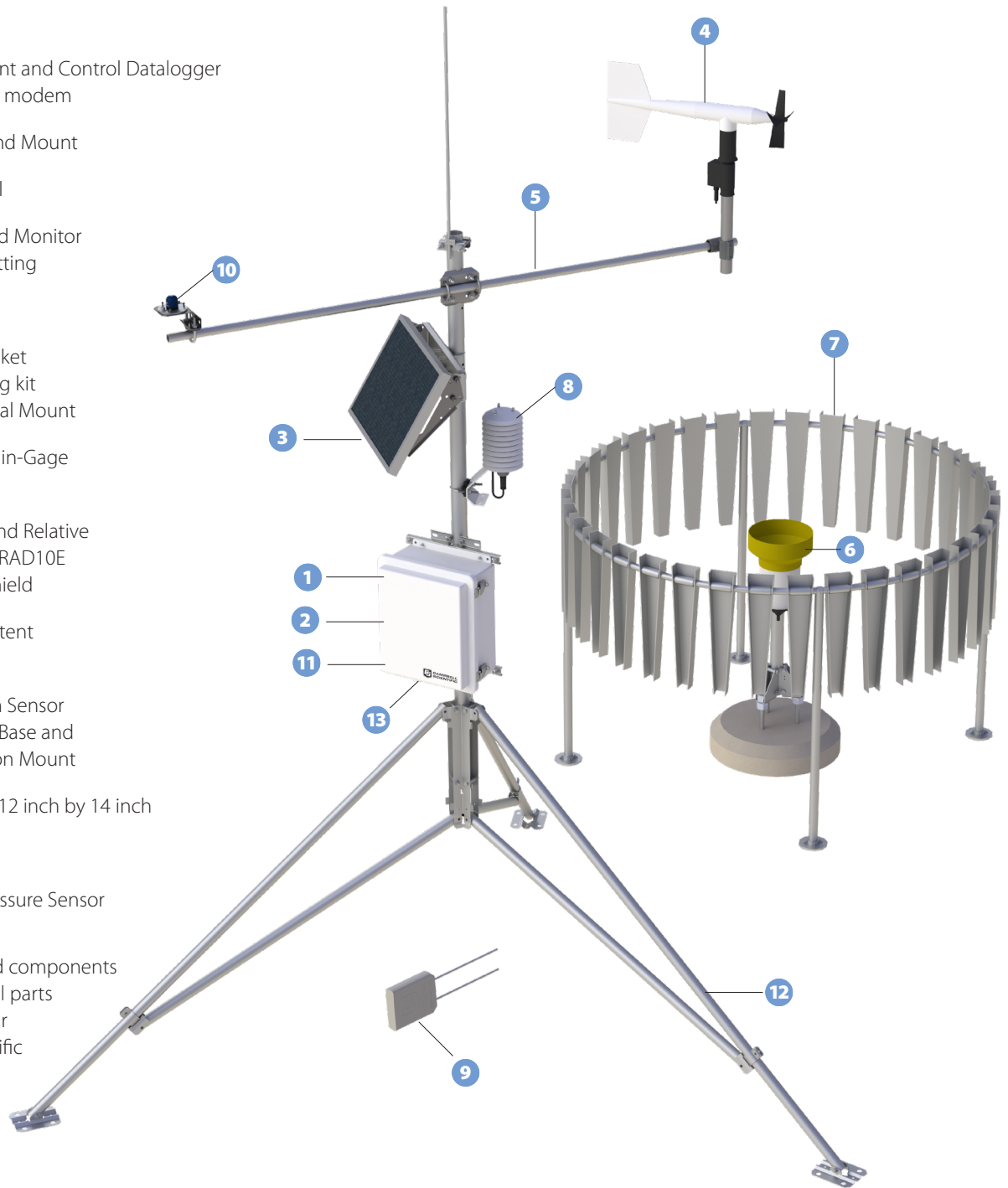
- › Obtain defensible data with high-accuracy instruments
- › Deploy system remotely for unattended long-term monitoring
- › Low-power design—operates on a battery recharged by a solar panel
- › Reduce maintenance overhead with durable system components
- › Connect remotely with IP-based modem communication
- › Customize system for specific application needs



Components

- 1 CR6-WIFI Measurement and Control Datalogger with integrated Wi-Fi modem
- 2 BP12 12 Ah Battery and Mount
- 3 SP20 20 W Solar Panel
- 4 05103 RM Young Wind Monitor with 17953 Nu-Rail Fitting
- 5 CM204 4 ft Crossarm
- 6 TE525WS Tipping Bucket with CM270 mounting kit and CM300-PJ Pedestal Mount
- 7 260-953 Alter-type Rain-Gage Wind Screen
- 8 EE181 Temperature and Relative Humidity Probe and RAD10E 10-Plate Radiation Shield
- 9 CS655 Soil Water Content Reflectometer
- 10 CS320 Solar Radiation Sensor with 18356 Leveling Base and CM225 Solar Radiation Mount
- 11 ENC12/14 Enclosure, 12 inch by 14 inch
- 12 CM106B 6 ft Tripod
- 13 CS100 Barometric Pressure Sensor

Some system sensors and components may not be available in all parts of the world. Contact your regional Campbell Scientific representative for details.



Customizations

You can order the MetPRO™ with the parts shown above or as a complete pre-wired, pre-programmed, pre-configured system. This system is also fully-customizable. You can add sensors, measurement

peripherals or communications devices to meet the needs of your specific application. Contact a Campbell Scientific sales engineer to design your custom solution.



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