



Reliable Weather Monitoring

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. Meteorological variables measured can be used to calculate many weather-related algorithms such as

evapotranspiration, growing-degree days, wind chill, dew point, and other weather-related parameters.

The MetPRO can be ordered with the parts shown above or as a complete prewired, preprogrammed, preconfigured system for an additional cost.

This system is also fully customizable. To meet the needs of a specific application, sensors, measurement peripherals, and communications devices can be added. Contact a Campbell Scientific sales engineer to design a custom solution.

Benefits and Features

- › Defensible weather data obtainable with high-accuracy instruments
- › Remote system deployment for unattended long-term monitoring
- › Low-power system design, operating on a battery recharged by a solar panel
- › Durable system components for reduced maintenance overhead
- › Remote IP-based modem communication supported
- › Customizable system for specific application needs

Technical Description

The PRO-series stations offer new options for those looking to deploy a complete weather station solution for many research, operational, and meteorological applications. All of these stations are designed to be research-grade, although there are some differences that may affect your selection. The MesoPRO and MetPRO stations are built using the best blend of components for accuracy, durability, and reliability.

The WxPRO uses quality instruments at a lower price for researchers on a tight budget.

The **MesoPRO** is intended for applications where having a 30 ft (10 m) tower is desired for permanence, as well as the opportunity to make measurements at many different heights. Common users of this configuration are operators of large networks (such as mesonets), as well as researchers

that need a permanent solution with the flexibility to add or change instruments in the future.

The **MetPRO** uses the same high-quality instruments as the MesoPRO, but offers the solution with a convenient 10 ft (3 m) tripod rather than a tower for mounting hardware. The tripod adds mobility for shorter-term research projects and offers an easier method to install a full meteorological station.

The **WxPRO** is an entry-level weather station solution that has many of the features of the higher-end systems at a lower price point. It is ideal for budget-conscious researchers who need confidence in their data from the use of quality instruments.

Specifications for individual instruments on the stations can be viewed on the product page for each component. If you have any questions about selecting a system, feel free to ask an expert by clicking the [Ask a Question button](#).

For comprehensive details, visit: www.campbellsci.eu/metpro 



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