Press Release

Launching a Market-Leading, Analog, Ambient Air Temperature Measurement Sensor: TempVue™10

NEWS RELEASE | 5 July 2023 | FOR IMMEDIATE RELEASE

Logan, UT, 5 July 2023 – A first look at Campbell Scientific's next generation of air temperature measurement sensors

Campbell Scientific has released the TempVue™10, an analog temperature sensor that is initiating the next generation of air temperature measurement sensors by becoming the first on the market to meet and exceed all relevant World Meteorological Organization (WMO) temperature recommendations.

To have WMO compliance, the TempVue 10 encompasses the required temperature range, measurement uncertainty and resolution, and sensor time constant and averaging time. The sensor also prevents self-heating, provides Platinum Resistance Thermometer (PRT) measurements, and includes a calibration certificate to provide an accurate measurement solution.

With this new sensor, users are equipped with high measurement stability over time and temperature, ensuring low sensor drift and data accuracy for a longer time period. This adaptable two- or four-wired sensor can be fully incorporated into existing setups to save time and prevent potential hardware channel availability issues. The customer-friendly design has a completion resistor included in the body of the sensor that makes maintenance easy, saving users time and hassle.

Senior Product Manager, Richard McKay, explained the importance of having access to the TempVue 10 capabilities due to temperature being a critical measurement parameter:

"The TempVue 10's improvements will help customers gain better quality insights into their area of interest, leading to gains in our forecasting, warnings, and resource management. Whether it's used as a primary measurement in a mesonet, an NWP model, or as an ancillary measurement in another field of science, the TempVue 10 is an important step in getting temperature measurements as accurate as possible."

Designed with the customer in mind, the TempVue 10 easily interfaces with Campbell Scientific or third-party data loggers and fits a wide range of passive solar radiation shields. The sensor comes with a short, attached cable and terminates with an M12 connector, which provide exceptional convenience, environmental protection, and data integrity for use in a variety of applications.

To learn more about the TempVue 10, visit https://www.campbellsci.com/tempvue10.

Press Release

Contacts

Technical Contact: Richard McKay richard.mckay@campbellsci.co.uk

Editorial/PR Contact: Libbie Anderson landerson@campbellsci.com

About Campbell Scientific

Since 1974, Campbell Scientific has been globally recognized as a leading producer of measurement solutions for mitigating severe weather casualties, gathering data to understand climate change and environmental impacts, and helping organizations and national agencies provide meteorological and hydrological services. We offer software services with unrivaled levels of insight and end-to-end project delivery solutions to get the data you need when measurements matter most.