Easily check Kipp & Zonen pyranometers on site

For help during pyranometer installation, or a confidence check of performance on site, Kipp & Zonen offers our new hand-held data logger METEON 2.0. The original METEON remains available, but the new model has greatly increased functionality in response to customer requests. Like the original, METEON 2.0 has one analogue input for the Classic CMP series pyranometers, but you can now also connect up to 5 of our Smart SMP series by RS-485. Simple, quick, convenient and accurate.

However, METEON 2.0 is not just for pyranometers. You can connect and power any Smart Kipp & Zonen radiometers and easily set up the Modbus® address and communication parameters in the field, without using a computer and software.

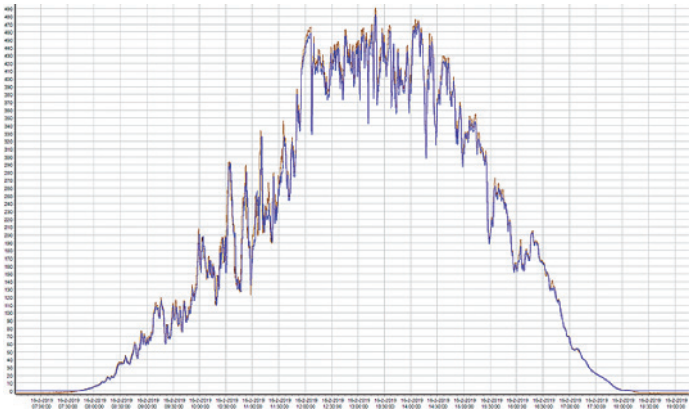
Perfect for PV projects

METEON 2.0 can be of great help when you are responsible for the maintenance of a solar energy plant. To verify that the pyranometers are installed and operating correctly, to perform a confidence check of the measurements, and to validate the data being received at the plant management system. It stores the average, maximum and minimum values over the selected logging interval.

METEON 2.0 can also provide you with the basic parameters you need to calculate the performance ratio (PR). For this you need to know the incoming plane of array solar irradiance measured by a tilted pyranometer and the PV module temperature; you can hook up a Mencke & Tegtmeyer Modbus® panel temperature sensor. Of course, a key parameter is the electrical energy generated and METEON 2.0 can read the pulses from a kWh meter (S0 output). All of these measurements can be displayed and recorded by a METEON 2.0 and you have a very easy way to check the efficiency of your PV plant in real time and on the spot.

As mentioned, METEON 2.0 can connect with multiple Kipp & Zonen Smart instruments, which means that it can be used with two SMP pyranometers to measure the incoming and reflected solar radiation in bi-facial PV applications, to enable the albedo to be calculated.

You can view and compare live data on the display and, depending on the number of instruments connected and the logging interval selected, it can store weeks of data. You can export the logged data files to a Windows™ computer using the USB interface. Once downloaded, the free METEON 2.0 software visualizes the data nicely in a graph and it can be exported to Microsoft® Excel for further processing.



Visit **www.kippzonen.com/meteon2** to read more, find the specifications and download the manual.