



Kipp & Zonen METEON 2.0 Smart Irradiance Meter

Product #:

0388900

USD Price:

Contact Hach

Battery operated handheld dat logger for PV related solarradiation measurement, for up to 7 analog and smart sensors, with carrying case

The METEON 2.0 is a compact handheld display and data logger optimized for PV related solar radiation measurement. It accepts simultaneously up to 5 Smart and one Analog Kipp & Zonen radiometers plus a Mencke & Tegtmeier PV panel temperature sensor and also has a S0 input for kWh meter pulses. The large 8 x 22 character display is readable in full sunlight and has a backlight for darker conditions. The keypad with 7 buttons can be used to navigate through the different menus. When using the USB connection the METEON 2.0 can be set in transparent mode to act as a universal RS-485 interface for the connected Modbus® sensors. METEON 2.0 can measure, display and log data from up to 8 devices. Depending on the number of instruments connected and the logging interval selected, it can store weeks of data.

Easy setup

The large 8 line LCD display allows for easy setup of analogue and digital instruments.

Real time data, logging and comparison

The LCD display will show real time data from up to 8 instruments, all can be logged and two pyranometers can be compared to check calibration.

Versatile inputs for analog and RS485 sensors

Apart from the analog instruments like CMP, CHP and SP-Lite2, the Meteon 2.0 also supports all Kipp & Zonen Smart instruments that use Modbus RTU over RS-485. On top of that the Meteon 2.0 also supports the digital Mencke & Tegtmeier PV panel temperature sensor and S0 kWh meter output.

Specifications

Accuracy:	0.1 % (0.1W)
Analog Inputs:	1 x bi-polar 16-bit
Battery Type:	2 x AA
Communication:	USB to computer for logger configuration and data download as csv or xlsx files plus Transparent mode
Digital I/O:	1 x kWh energy meter S0 pulse
Digital Outputs:	1 x kWh energy meter S0 pulse
Display:	Yes, 6 lines
Input Range:	1 x millivolt level, suitable for all Kipp & Zonen passive radiometers
Input Voltage:	5 x AA internal batteries or external supply 10 to 24 V

Memory:	Internal for 380,000 values of average, minimum, maximum for 7 instruments + pulse total
Number of Analog Ports:	1
Power Consumption:	sufficient for more than 3 days, 3 sensors logging
Serial Input:	RS-485 port for 5 compatible Modbus® devices from Kipp & Zonen or IMT
Temperature Range:	14 - 104 °F (-10 - 40 °C)