

METEON



METEON is an accurate hand-held display unit and data logger for the measurement of solar irradiance. Its small size, long battery life and universal input make it an ideal tool for many test and field applications.

METEON is delivered in a tough carrying case together with:

- USB interface cable
- Software and manual on CD-ROM
- 2 x AA alkaline batteries

The carrying case also has space for a pyranometer.

METEON can be used with all our single output pyranometers plus the CUV5, NR Lite2, PQS1 and CA2. It is primarily intended to display real-time radiation values in Watt per square meter or PAR in micro-mol per square meter per second.

Configuration with a computer is simple, using the supplied software and USB interface cable. Just select the radiometer type from a list, enter its sensitivity, and the correct measuring range is automatically selected. Once METEON is configured, connect the radiometer, switch on, and the large 4-digit display directly shows the correct values. This makes it a perfect tool for convenient use in the field.

The great advantage of the METEON is the integrated data logging function that can store data for up to 3500 samples. It stores minimum, maximum and average values per logging interval. The low power consumption allows the METEON to record at least 50 days of data on 2x AA type batteries.

The terminals allow simple connection of radiometers with bare wires or 4 mm banana plugs.

The METEON is also available ready to go as a kit supplied with a radiometer and is pre-programmed to show the measured radiation value when the instrument is connected and the METEON switched on

Part number	Article
0365910	METEON irradiance meter and data logger
0365911	METEON irradiance meter and data logger • Configured

Note: Specify type and serial number of radiometer for use with METEON

Specifications	
Analogue inputs	1
AD conversion resolution	16 bits
Temperature coefficient	< 0.5% over range
Uncertainty	< 0.1%
Input ranges	± 6.25 to ± 200 mV
Display	4 digits with polarity
Communication interface	USB 1.1/2.0 cable included
Data logger memory	3518 samples
Logging interval	2 to 65535 seconds
Logged information	data samples, minimum, maximum, average
Supply voltage	2 x AA battery included
Windows™ compatible software	Configuration, data download, graphical display
Operational temperature range	-10°C to +40°C
Storage temperature range	-10°C to +40°C
Humidity range	0 to 100% non-condensing
Ingress Protection (IP) rating	40

Part number	METEON Irradiance Measurement Kits
0339920-701	METEON + SP Lite2 Silicon Pyranometer • 5 m cable
0356900-722	METEON + CM4 High Temperature Pyranometer • 10 m cable
0338920-702	METEON + CMP3 Pyranometer • 10 m cable
0362900-702	METEON + CMP6 Pyranometer • 10 m cable
0379900-702	METEON + CMP10 Pyranometer • 10 m cable
0362910-702	METEON + CMP11 Pyranometer • 10 m cable
0362920-712	METEON + CMP21 Pyranometer • 10 m cable
0362930-712	METEON + CMP22 Pyranometer • 10 m cable
0364910-702	METEON + CUV5 Broadband UV Radiometer • 10 m cable
0344920-703	METEON + NR Lite2 Net Radiometer • 15 m cable
0373900-701	METEON + PQS1 PAR Quantum Sensor • 5 m cable