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 CHP 1, CUV 5, NR Lite2, PQS 1 and CA 2. 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.

Article	Part number
METEON Irradiance Meter and Data Logger	**0365910**
Options for METEON	
METEON Adjusted • configured to suit an existing radiometer	**0365911**
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

Accessories for METEON	Part number
METEON Irradiance Measurement Kits 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	
METEON + SP Lite2 Silicon Pyranometer • 5 m cable	**0339920-701**
METEON + CMP 3 Pyranometer • 10 m cable	**0338920-702**
METEON + CMP 6 Pyranometer • 10 m cable	**0362900-702**
METEON + CMP 11 Pyranometer • 10 m cable	**0362910-702**
METEON + CMP 21 Pyranometer • 10 m cable	**0362920-712**
METEON + CMP 22 Pyranometer • 10 m cable	**0362930-712**
METEON + CM 4 High Temperature Pyranometer • 10 m cable	**0356900-722**
METEON + CUV 5 Broadband UV Radiometer • 10 m cable	**0364910-702**
METEON + PQS 1 PAR Quantum Sensor • 5 m cable	**0373900-701**
METEON + NR Lite2 Net Radiometer • 15 m cable	**0344920-703**
Note: NR Lite2 will not fit in the METEON carrying case	

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