

## 1. TECHNICAL SPECIFICATIONS

Accuracy referred to conditions: 23°C, <80%RH

### IRRADIANCE – Inputs INP1, INP2, INP3

Range [W/m <sup>2</sup> ]	Resolution [W/m <sup>2</sup> ]	Accuracy (*)
0 ÷ 1400	1	±(1.0%reading + 3dgt)

(\*) Accuracy of instrument without HT305 reference cell

### MODULE TEMPERATURE – Input INP4

Range [°C]	Resolution [°C]	Accuracy
-40.0 ÷ 99.9	0.1	±(1.0%reading + 1°C)

### TILT ANGLE

Range [°]	Resolution [°]	Accuracy (*)
1 ÷ 90	1	±(1.0%reading + 1°)

(\*) Accuracy referred to the range 5° ÷ 85°

## 2. GENERAL SPECIFICATIONS

### Display

Type of display: LCD graphic, COG, 128x64pxl, with backlight  
Refresh frequency: 0.5s

### Power supply

Internal supply: 2x1.5V alkaline batteries type AA LR06 or  
2x1.2V rechargeable batteries NiMH type AA LR06  
External supply: 5VDC, >500mA DC  
PC connection with USB-C cable  
Recharging time: ca. 3 hours  
Battery life: ca 24hours (alkaline and >2000mAh)  
Auto Power OFF: 1, 5, 10minutes of idleness (disabled)

### Characteristics module Bluetooth BLE

Frequency range: 2.400 ÷ 2.4835GHz  
Category R&TTE: Class 1  
Max power transmission: 100mW (20dBm)

### Available connections

PV Master units: Bluetooth BLE (up to 100m – 328ft in open field)  
External adapter: USB-C  
Inputs INP1...INP4: connectors custom HT 5 poles

### Internal memory

Capacity: max 99 recordings (linear memory)  
Autonomy: ca. 60 hours (@sampling 1s fixed)

### Mechanical characteristics

Dimensions (L x W x H): 155 x 100 x 55mm (6 x 4 x 2in)  
Weight (included batteries): 350g (12oz)  
Mechanical protection: IP67

### Environmental conditions

Reference temperature: 23°C±5°C (73°F ± 41°F)  
Working temperature: -20°C ÷ 80°C (-4°F ÷ 176°F)  
Working humidity: <80%RH  
Storage temperature: -10°C ÷ 60°C (14°F ÷ 140°F)  
Storage humidity: <80%RH  
Max height of use: 2000m (6562ft)

This instrument complies with Directives EMC 2014/30/EU and RED 2014/53/EU

This instrument satisfies the requirements of Directive 2011/65/EU (RoHS) and 2012/19/EU (WEEE)

