

## 1. TECHNICAL SPECIFICATIONS

Accuracy is referred to the herewith conditions: 25°C ; < 70%RH

### SOLAR RADIATION [W/m<sup>2</sup>]

Range [W/m <sup>2</sup> ]	Resolution [W/m <sup>2</sup> ]	Accuracy	Accuracy for temperature
0.1 ÷ 199.9	0.1	> between ± 10 W/m <sup>2</sup> and ±5%rdg	± 0.38 W/m <sup>2</sup> / °C from 25°C
200 ÷ 1999	1		

### SOLAR RADIATION [BTU/(ft<sup>2</sup>\*h)]


Range [BTU/(ft <sup>2</sup> *h)]	Resolution [BTU/(ft <sup>2</sup> *h)]	Accuracy	Accuracy for temperature
0.1 ÷ 63.4	0.1	> between ± 3 BTU/(ft <sup>2</sup> *h) and ±5%rdg	± 0.12 BTU/(ft <sup>2</sup> *h)/°C from 25°C
64 ÷ 634	1		

## 2. GENERAL SPECIFICATIONS

### Mechanical specification

Dimensions (L x W x H):	190 x 65 x 45mm (7 x 3 x 2in)
Sensor dimensions (L x W x H):	110 x 60 x 35mm (4 x 2 x 1in)
Cable length:	approx 1.0m (39in)
Weight (included battery):	235g (8 ounces)
Mechanical protection:	IP40

### Power supply

Battery type:	1x9V alkaline battery IEC6F22
Low battery indication:	"  " symbol on the display
Battery life:	ca 60h (backlight ON), ca 180h (backlight OFF)

### Display

Features:	LCD, 3 ½ digits, 1999 counts, decimal point, backlight
Refresh rate:	0,25 times/s

### Sensor

Sensor type :	silicon photodiode
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### Reference guidelines

EMC:	IEC/EN61326-1
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### Environmental conditions

Reference temperature:	25°C (77°F)
Working temperature:	5°C ÷ 40°C (41°F ÷ 104°F)
Working humidity:	<80%RH
Storage temperature:	-10°C ÷ 60°C (14°F ÷ 140°F)
Storage humidity:	<70%RH
Max altitude:	2000m (6562ft)

**This instrument satisfies the requirements of EMC Directive 2014/30/EU**  
**This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS)**  
**and 2012/19/EU (WEEE)**

