PV204

Rel. 1.00 of 03/08/22

Digital solar power meter

1. TECHNICAL SPECIFICATIONS

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

SOLAR RADIATION [W/m²]

Range [W/m²]	Resolution [W/m²]	Accuracy	Accuracy for temperature
0.1 ÷ 199.9	0.1	> between ± 10 W/m² and ±5%rdg	± 0.38 W/m² / °C from 25°C
200 ÷ 1999	1		

SOLAR RADIATION [BTU/(ft²*h)]

Range [BTU/(ft²*h)]	Resolution [BTU/(ft²*h)]	Accuracy	Accuracy for temperature
0.1 ÷ 63.4	0.1	> between ± 3 BTU/(ft²*h) and ±5%rdg	± 0.12 BTU/(ft²*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

Reference guidelines

EMC:	IEC/EN61326-1

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)

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