

# Irradiance sensor and temperature probe

111.7040

- ▶ Measurement of solar irradiation and temperature with PQ-Box 200



## 1. Use

This device is used for the measurement of solar irradiation and temperature with PQ-Box 200(AUX-input).

## 2. Structure

The monocrystalline solar cell (50mm x 33mm) is installed into a powder-coated aluminum case IP54. Additionally, the solar cells temperature is measured by a temperature probe.

The device is connected by 4 mm safety plugs. An external DC power supply is required.

## 3. Dimensions and weight

L, W, H in mm	145	86	39
Weight in g	340		

## 4. Connection

Irradiation:	Yellow socket, 4mm
Temperature:	Green socket, 4mm
Ground:	Black socket, 4mm
Supply:	DC - socket

## 5. Parameter Setting WinPQ

Value:	Temperature
Unit:	°C
Offset:	-30
Factor:	0,1 (100°C auf 1000mV = 0,1)

Value:	Irradiation
Value:	W/m <sup>2</sup>
Offset:	0
Factor:	1

## 6. Technical Data

Irradiation:	0..1000(1400) W/m <sup>2</sup> - 0 ..1(1,4)V
Temperature:	-30..70°C – 0..1V
Power supply:	10..24V DC

We take care of it.

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## 7. Ordering Information

FEATURE	ORDER CODE
<b>Irradiance sensor and temperature probe</b> ● Irradiation 0..1000W/m <sup>2</sup> - 0..1V, Temperature -30..70°C – 0..1V	<b>111.7040</b>
ACCESSORIES	ORDER CODE
<b>DC power supply, compact</b> ● DC power supply, compact, 230V AC, Output 15V DC, 400mA	<b>111.7049</b>

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