

## Pyranometer SMP 10

The global radiation results from the sum of direct radiation and diffuse radiation. The WMO-recommended measuring value transmitter meets the ISO 9060 -classification "Secondary Standard" Adjustable feet and a level allow an easy horizon-adjustment. Delivery includes calibration certificate.

The SMP10 has Modbus<sup>®</sup> interface, amplified analogue output, improved response time and temperature corrected measurement data.

## Specification

**Part number: 7.1415.01.041**

### Radiation

Spectral range	285 ... 2800 nm
Non-linearity	0.2 % @ 100 ... 1000 W/m <sup>2</sup>
Response time	0.7 sec @ 63 % vom Endwert 2 sec @ 95 % vom Endwert
Sensor type	Thermopile

### Data output digital

Output type	2-wire RS485 (MODBUS RTU)
Output range	-400 ... 4000 W/m <sup>2</sup>

### Data output analog

Output type	4 ... 20 mA
Output range	0 ... 1600 W/m <sup>2</sup>

### General

Power supply	5 ... 30 VDC
Ambient temp.	-40 ... +80 °C
Electr. connection	Without cable
Protection	IP 67
Dimension	Ø 150 x 92 mm
Weight	0.9 kg

## Versions

No other versions of this product are available.

## Accessories

Product	Product name	Brief description
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	<p>Traverse 0,8 m 4.3171.40.002</p>	<p>For mounting of a Pyranometer CMP11 / 6 / 3 And a sunshine duration sensor-CSD3 onto a mast.</p> <p><b>General</b></p> <p>Clamping range                    Ø 48 ... 102 mm</p> <p>Sensor distance                    0.4 / 0.8 m from mast</p> <p>Material                                Aluminium / Stainless steel</p> <p>Weight                                 1 kg</p>
	<p>Hanger 1 m ( for radiation sensors ) 4.3185.xx.009</p>	<p>The hanger is used for laterally mounting of a radiation- or brightness transmitter onto a mast.</p> <p><b>General</b></p> <p>Length                                 1 m</p> <p>Material                                Aluminium</p> <p>Tube diameter                        Ø 50 mm</p> <p>Weight                                 1.8 kg</p>
	<p>Adapter Compact 506345</p>	<p>The adapter serves for mounting a radiation transmitter, baro transmitter or brightness transmitter onto a traverse (4.3171.30.000, 4.3171.40.000) or holder (506 347).</p> <p><b>General</b></p> <p>Material                                Aluminium, anodized</p> <p>Dimension                             100 x 115 x 65 mm</p> <p>Weight                                 0.5 kg</p>
	<p>Adapter Compact 0 ... 90 ° adjustable 508850</p>	<p>The adapter serves for mounting a radiation transmitter, baro transmitter or brightness transmitter onto a traverse (4.3171.30.000, 4.3171.40.000) or holder (506 347).</p> <p><b>General</b></p> <p>Material                                Aluminium, anodized</p> <p>Dimension                             100 x 115 x 65 mm</p> <p>Weight                                 0.5 kg</p> <p>Function                                0 ... 90 ° adjustable</p>

