

## RADIATION

### Pyranometer SMP 10

**Part number: 7.1415.01.341**

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® interface, amplified analogue output, improved response time and temperature corrected measurement data.



### Specification

**Part number: 7.1415.01.341**

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	plug with 10 m 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
---------	--------------	-------------------



	<b>Traverse 0,8 m</b> 4.3171.40.002	For mounting of a Pyranometer CMP11 / 6 / 3 And a sunshine duration sensor-CSD3 onto a mast.										
<table border="1"> <tr> <td colspan="2"><b>General</b></td> </tr> <tr> <td>Clamping range</td> <td>Ø 48 ... 102 mm</td> </tr> <tr> <td>Sensor distance</td> <td>0.4 / 0.8 m from mast</td> </tr> <tr> <td>Material</td> <td>Aluminium / Stainless steel</td> </tr> <tr> <td>Weight</td> <td>1 kg</td> </tr> </table>			<b>General</b>		Clamping range	Ø 48 ... 102 mm	Sensor distance	0.4 / 0.8 m from mast	Material	Aluminium / Stainless steel	Weight	1 kg
<b>General</b>												
Clamping range	Ø 48 ... 102 mm											
Sensor distance	0.4 / 0.8 m from mast											
Material	Aluminium / Stainless steel											
Weight	1 kg											
	<b>Hanger 1 m ( for radiation sensors )</b> 4.3185.xx.009	The hanger is used for laterally mounting of a radiation- or brightness transmitter onto a mast.										
<table border="1"> <tr> <td colspan="2"><b>General</b></td> </tr> <tr> <td>Length</td> <td>1 m</td> </tr> <tr> <td>Material</td> <td>Aluminium</td> </tr> <tr> <td>Tube diameter</td> <td>Ø 50 mm</td> </tr> <tr> <td>Weight</td> <td>1.8 kg</td> </tr> </table>			<b>General</b>		Length	1 m	Material	Aluminium	Tube diameter	Ø 50 mm	Weight	1.8 kg
<b>General</b>												
Length	1 m											
Material	Aluminium											
Tube diameter	Ø 50 mm											
Weight	1.8 kg											
	<b>Adapter Compact</b> 506345	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).										
<table border="1"> <tr> <td colspan="2"><b>General</b></td> </tr> <tr> <td>Material</td> <td>Aluminium, anodized</td> </tr> <tr> <td>Dimension</td> <td>100 x 115 x 65 mm</td> </tr> <tr> <td>Weight</td> <td>0.5 kg</td> </tr> </table>			<b>General</b>		Material	Aluminium, anodized	Dimension	100 x 115 x 65 mm	Weight	0.5 kg		
<b>General</b>												
Material	Aluminium, anodized											
Dimension	100 x 115 x 65 mm											
Weight	0.5 kg											
	<b>Adapter Compact</b> <b>0 ... 90° adjustable</b> 508850	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).										
<table border="1"> <tr> <td colspan="2"><b>General</b></td> </tr> <tr> <td>Material</td> <td>Aluminium, anodized</td> </tr> <tr> <td>Dimension</td> <td>100 x 115 x 65 mm</td> </tr> <tr> <td>Weight</td> <td>0.5 kg</td> </tr> <tr> <td>Function</td> <td>0 ... 90° adjustable</td> </tr> </table>			<b>General</b>		Material	Aluminium, anodized	Dimension	100 x 115 x 65 mm	Weight	0.5 kg	Function	0 ... 90° adjustable
<b>General</b>												
Material	Aluminium, anodized											
Dimension	100 x 115 x 65 mm											
Weight	0.5 kg											
Function	0 ... 90° adjustable											

