

Pyranometer SMP 3-A

The wide and low power supply range from 5 to 30 VDC makes integration in meteorological stations easy. The SMP is protected against over voltage, reversed polarity and short circuiting. Because all SMP's have identical sensitivity and connections exchanging instruments during recalibration is easy.

Specification

Part number: 7.1415.03.541

Radiation

Spectral range	300 ... 2800 nm
Non-linearity	0.2 % @ 100 ... 1000 W/m ²
Response time	1.5 sec @ 63 % vom Endwert 12 sec @ 95 % vom Endwert
Sensor type	Thermopile

Data output digital

Output type	2-wire RS485 (MODBUS RTU)
Output range	-400 ... 2000 W/m ²

Data output analog

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

General

Power supply	5 ... 30 VDC
Ambient temp.	-40 ... +80 °C
Electr. connection	Ohne Kabel
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>General</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>General</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>General</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>General</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>

