

RADIATION

Silicon Sensor PAR 5.3

Part number: 7.1418.00.0xx

The sensitivity corresponds to the optimal degree of effect of chlorophyll. The measuring results make it possible to assess reliably the developmental conditions of the plants.

Delivery includes calibration certificate.



Specification

Part number: 7.1418.00.0xx

Radiation	
Measuring range	0 ... 500 W/m ² (0 ... 2255 μmol / sm ²)
Cosinus-correction	Fehler f2 < ±3 %
Spectral range	380 ... 700 nm
Non-linearity	< ±5 %
Abs. error	< ±10 %
Dome	PMMA
Sensor type	silicon photo diode
General	
Ambient temp.	-30 ... +60 °C
Electr. connection	plug with 5 m cable
Dimension	Ø 80 x 95 mm
Weight	0.3 kg

Versions

As per 7.1418.00.0xx, but:

Product number 7.1418.00.040

Data output analog	
Output type	0 ... 20 mA
General	



Power supply | 9 ... 24 V DC

Product number 7.1418.00.041

Data output analog

Output type | 4 ... 20 mA

General

Power supply | 9 ... 24 V DC

Product number 7.1418.00.051

Data output analog

Output type | 0 ... 5 V

General

Power supply | 9 ... 24 V DC

Product number 7.1418.00.061



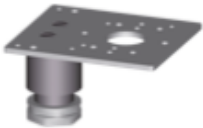
Data output analog

Output type | 0 ... 10 V

General

Power supply | 14 ... 24 V DC

Accessories

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





Adapter Compact
0 ... 90°
adjustable
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).

General	
Material	Aluminium, anodized
Dimension	100 x 115 x 65 mm
Weight	0.5 kg
Function	0 ... 90° adjustable

