

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/m² (0 ... 2255 µmol / sm²)
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

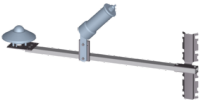
Versions

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

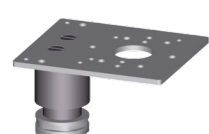


Hanger 1 m (for
radiation sensors)
4.3185.xx.009

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

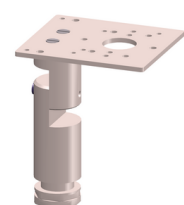


Adapter Compact
506345

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