

RADIATION

Silicon Sunshine Indicator SDE 9.1

Part number: 7.1420.00.000

The threshold of sunshine duration is stated by the German Weather Service (DWD) with 120 W/m². The sensor delivers a digital Yes-/No-information for the sunshine duration and a voltage as information for the global radiation. The measurement is cos-corrected. Delivery includes calibration certificate.



Specification

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Radiation	
Measuring range	0 ... 1300 W/m ²
Cosinus-correction	Fehler f2 < ±3 %
Typ. Signal output	0 ... 5 V (glob. Radiation) 4.5 ... 5V @ sun yes 0 ... 0.6 V @ sun no
Threshold	120 W/m ²
Spectral range	380 ... 1100 nm
max. spectr. Sensitivity	780 nm
Non-linearity	< ±5 %
Abs. error	< ±10 %
Diffuser	PTFE
Dome	optical glas
Sensor type	silicon photo diode
General	
Power supply	9 ... 24 V DC
Ambient temp.	-20 ... +60 °C
Electr. connection	plug with 5 m cable
Dimension	Ø 80 x 82 mm
Weight	0.3 kg



Versions

No other versions of this product are available.

Accessories

Product	Product name	Brief description	
	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

