

Solar radiation meter Standard



Technical Specification

Measuring range / Resolution

	P_{tot}	T
Unit	W/m ²	°C
values	0 ... 1.000	-40 ... +85
Resolution	1	0.1

Max. Variation P_{tot} : < 3 % ± 1 digit in range 50 ... 1.000 W/m²
(AM 1,5 / normal axis radiation (*2), T = 0 ... +50 °C)

Max. Variation T: < 3 °C ± 1 digit in range -25 ... +75 °C,
optional < 1 °C ± 1 digit

Power requirement (active Mode): 4 mW
Integrated solar module nominal power 180 mW *1
Ambient temperature measurement range: -20 ... +50 °C (Ambient temperatur)
Max. ambient humidity: 90 %
Dimensions (without mounting): 130 x 90 x 30 mm or
Weight (without mounting): 170 g
Certification CE / EN50081, EN50082
Calibration according to: IEC904/3, Calibration certificate on request
Warrenty 2 years

(*1) At standard conditions $P_{tot} = 1.000 \text{ W/m}^2$, solar spectrum AM 1,5 at T = 25 °C

(*2) Certified by PI Photovoltaik-Institut Berlin AG

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