



Infrared measuring head type 8.5

Infrared radiation

The direct and diffuse solar radiation in the range from 700 nm up to 5000 reaching the ground is called infrared radiation.

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The sensor detects almost 30 % of the sunlight in the range of 800 nm to 1100 nm including the most relevant part of IR.

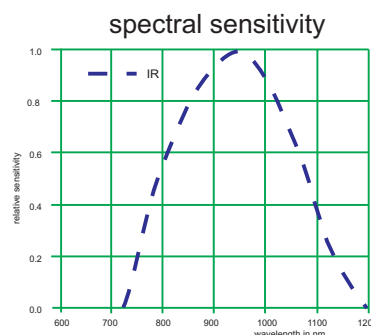
Measuring results are allowing immediate conclusions about medically and biologically relevant connections by comparing them to other spectral ranges.

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The aluminum housing is weatherproof, the dome is made of plastic or flat glass.

The measuring results are cosine corrected.

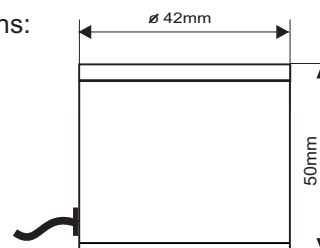


Technical specifications

measuring range global	0 - approx. 400 W/m ²
spectral sensitivity	800 nm - 1100 nm
max. spectral sensitivity	950 nm
working temperature	-20 °C - +60 °C
signal output	0 V - 2 V or the like
power supply	+5 V - +18 V
installation	2 screws M4 in the bottom of the case
connector	sideward
diffusor	PTFE
dome	PMMA/flat glass
cosine correction	error f2 < 6 %
linearity	< 1 %
abs. error	< 10 %
residual voltage (E=0)	< 10 mV
weight	ca. 170 g 6 oz

Specifications are subject to change without prior notice.

Dimensions:



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