



## Infrared radiation measuring head type 8.15

### Infrared radiation

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

### Infrared measuring head type 8.15

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

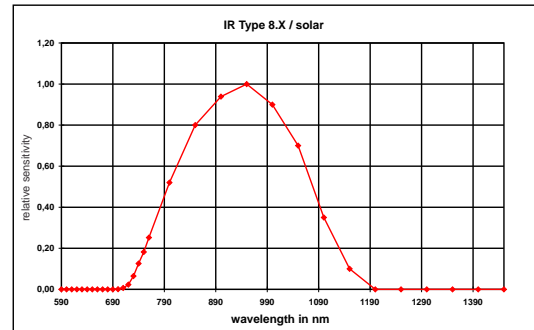
Measuring results are allowing immediate conclusions about medically and biologically relevant connections by comparing them to other spectral ranges.

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The aluminum housing is anodized suitable for indoor use, the window is made of PTFE.

The measuring results are cosine corrected.



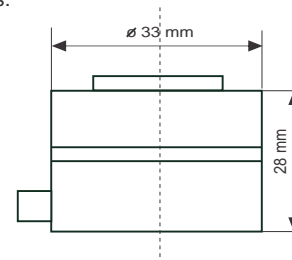
### Technical specifications

measuring range IR	o- ca. 400W/m <sup>2</sup>
spectr. sensitivity IR	700nm - 1000nm
max. of spectr. Sensitivity IR	950nm
sensor system	Si + filter
working temperature	-20°C - +60°C   -4 - +140°F
signal output	0V - 2V or otr. (negotiable)
power	+5V - +15V / <750µA
turn on time	< 1 s
turn off time	< 1 s
Installation	2 screws M4 in the bottom
connector	sideward
window/diffusor	PTFE
direction char.of rad.	error f2 < 3%
linearity	< 1%
absolute error	< 10%
weight	50g   2 oz



Specifications are subject to change without prior notice.

Dimensions:



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