



Global radiation measurement head type 3.5

Global radiation

All diffuse and direct solar radiation reaching the surface of the earth is called global radiation.

It ranges from short (300nm (UV-B)) to long (5000 nm (IR)) wavelength.

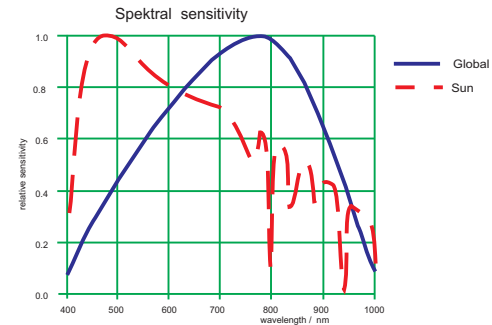
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The sensor detects almost 90% of sunlight in the range of wavelength between 400 nm and 1100 nm and is covering the range of the uv-, vis- and some of the ir-light.

The measuring results are allowing conclusions about medical and biological connections by comparing to other spectral ranges.

The measuring head can be used in medical and biological research, in weather information and forecast systems, in climate research, in agriculture and for public information in general.

The measuring head type 3.5 has a weatherproof aluminum housing. The results are cosine corrected. The dome is made of plastic or flat glass. This device can be equipped with 4 different output signal variations.

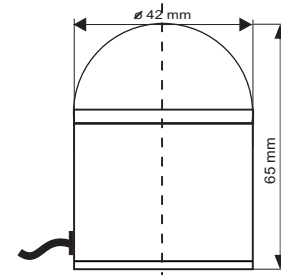


Technical specifications

Measuring range global	0 - at 1600 W/m ²
spectr. sensitivity	400 nm - 1100 nm
max. spectr. sensitivity	780 nm
working temperature	-20°C - +60°C
power supply	0V - 5V or +10V - +24V
installation	2 screws M4 in the bottom
connector cable	sideward
diffusor	PTFE
dom	PMMA/ flat glass
cosine correction	error f2 < 6%
linearity	< 1%
abs. error	< 10 %
voltage (E=0)	< 20 mV
weight	ca. 170 g 6 oz

Specifications are subject to change without prior notice.

Dimensions:



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