



# INDIUM SENSOR

Elektronische Geräte für Industrie und Umwelt

## Global radiation measuring head type 10.7

### Global radiation

All direct and diffuse solar radiation reaching the surface of the earth is called global radiation. Spectral range reaches from 300nm (UVB) to about 5000nm (IR).

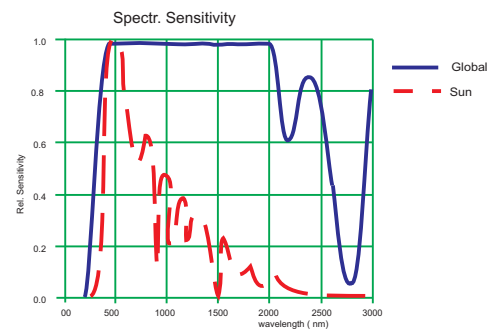
### Global measuring head type 10.7

The sensor is able to detect almost 90% of the solar radiation spectrum between 300 and 1100 nm (UV,VIS,some of IR)

Measuring results are allowing conclusions about medical and biological interdependencies in comparison to other spectral ranges.

The measuring head is suitable for use in medicine, biological research, weather information and forecast systems, in climate research and for public information in general.

The measuring head type 10.7 has a weatherproof aluminum housing. The dome is made of blown optical glass. The values are cosine corrected. This device can be equipped with 4 different signal output varieties.

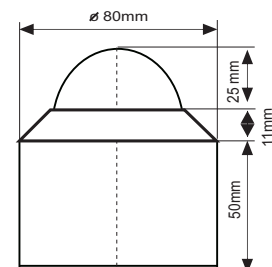


### Technical specifications

Measuring range global	0 - ca. 1300 W/m <sup>2</sup>
Spectr. sensitivity	380 nm - 2800 nm
Max. spectral sensitivity	380 nm - 2500 nm
Working temperature	-20°C - +60°C
Signal output	0V - 5V/0V-10V*/
Power supply	4mA-20mA/0mA-20mA** +9V - +24V/*+14V-+24V **RL(0-100Ohm)
Installation	2 screws M4 in the bottom downward
Connector cable	PTFE
Diffusor material	opt. Glass
Dome material	error f2 < 3%
Cosine correction	< +/-5%
Linearity	< +/-10 %
Abs. error	ca. 300 g
Weight	

Specifications are subject to change without notice.

Dimensions:



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