



INDIUM SENSOR

Elektronische Geräte für Industrie und Umwelt

Global radiation measuring head type 3.15

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.

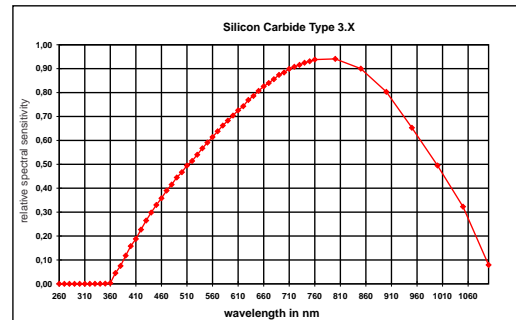
Global measuring head type 3.15

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 3.15 features an anodized aluminum housing suitable for indoor use. The window is made of PTFE. The values are cosine corrected.



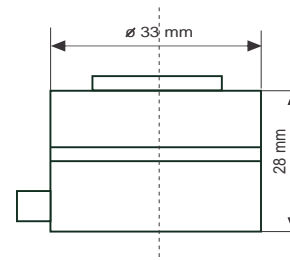
Technical specifications

measuring range	0 - ca. 1300 W/m ²
spectr. sensitivity	380 nm - 1100 nm
max. of spectr. sensitivity	780 nm
sensor system	Silicon
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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