INDIUM SENSOR

Elektronische Geräte für Industrie und Umwelt

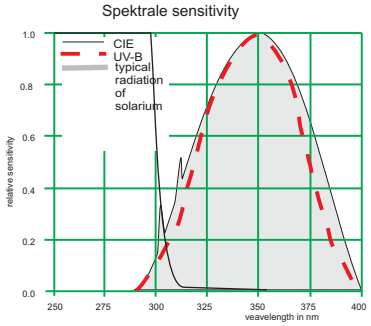
UVA/UVB - measuring head type 2.5

UVB sensitivity

Long UV radiation (above 313 nm) makes people tan and has positive effects on the human immune system. Shorter UV-radiation in contrast may cause irreversible damage and is listed in a recommendation by CIE (Commission Internationale de l'Eclairage) which summarizes all action spectra that may cause damage to the human skin.
This recommendation is standardized in German DIN 5050.
A popular example is the UVI sunburn index.

UVB measuring head type 2.5

The measuring head independently determines UV-A-radiation (global, from 315nm - 400nm).
Measuring results are allowing immediate conclusions about medically and biologically relevant connections within this band of radiation. The measuring head is used in medicine, biological research, weather information and forecast systems, in climate research and for public information in general.
The device has a housing made of aluminum and is developed to be used with our handheld device type 6.4.

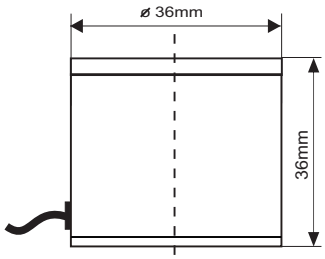


Technical specifications

Measuring range UVA	0 - 50 W/m²
spectr. sensitivity UVA	310 nm - 400 nm
max.spectral sensitivity UVA	335 nm
working temperature	-20°C - +60°C
signaloutput	04 mA .. 20 mA
power supply	+6V -24 V/ <750µA
turn on time	< 1 s
turn off time	< 12 s
installation	2 screws M4 in the bottom
connector	sideward
diffusor	PTFE
dome	PMMA
cosine correcture	foult f2 < 6 %
linearity	< 1%
abs. error	< 10% (< 0,2%/K)
voltage (E=0)	< 10mV
weight	ca. 170 g | 6 oz

Specifications are subject to change without prior notice

Dimensions:



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