



UV-C measuring head type 0.5

UV-C 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.

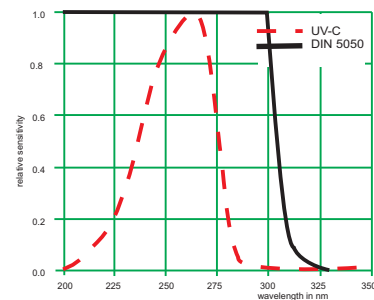
A popular example is the UVI sunburn index.

UVC measuring head type 0.5

Relative spectral sensitivity of this measuring head has been developed to determine UVC-radiation (mercury line, 256nm). The sensor is measuring the parts of this range which cause damage to human skin, 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 measuring head type 0.1 has a weatherproof aluminum housing. The housing is made of weatherproof anodized aluminum. The values are cosine corrected.



spectral sensitivity

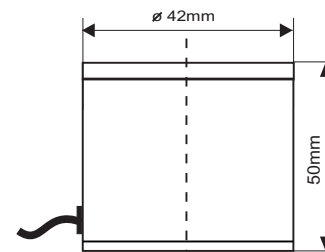


Technical specifications

| | |
|---------------------------|--|
| measuring range UV-C | 0 - 1990 mW/m ² |
| spectral sensitivity | 220 nm - 280 nm |
| max. spectral sensitivity | 265 nm |
| working temperature | 0 °C - +60 °C |
| signal output | 0 V - 2 V on request |
| power supply | +5 V / <750 µA |
| turn on time | < 1 s |
| turn off time | < 12 s |
| installation | 2 screws M4 in the bottom of the case sideways |
| connector | PTFE |
| diffusor | flatglass of quartz |
| window | error f2 < 6 % |
| cosine correction | < 1 % |
| linearity | < 10 % |
| abs. error | < 10 mV |
| dark voltage (E=0) | ca. 170 g 6 oz |
| weight | |

Specifications are subject to change without prior notice.

Dimensions:



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