# **UV SENSOR "UV-Cosine"**

## Waterproof UV Sensor for outdoor use

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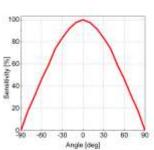
The sensor UV-Cosine is an outdoor cosine corrected waterproof sensor (IP68 at window side, IP65 at plug side, or, on request IP68 for submerge applications). The PTFE housing is stain repellent. Available calibrated (NIST or PTB traceable) on request.

The probe is amplified and shielded against electromagnetic interference. The visible blind sensors are based on a Silicon Carbide (SiC) UV photodiode, which guarantees highest radiation hardness, long term stability and >10<sup>10</sup> visible blindness (ratio of UV to VIS-IR sensitivity). Blue and GaP type sensors are based on a Galliumphosphide (GaP) UV photodiode. Please find at page 2 an individual configuration procedure which allows the prospective user to select the correct spectral response (STEP 1), different output types (STEP 2) and to select a sensitivity range (STEP 3).

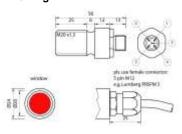
#### **Picture**



#### Field of View



## Drawing



## **Specifications**

#### **Fixed Specifications**

Parameter	Value
Dimensions	pls. refer to the drawing
Weight	27 g
Temp. Coefficient	0,035%/K
Operating Temp.	-20+80°C
Humidity	<80%, non condensing



Please consider our UV monitor and UV controller offer.

100%

request:

submersible

#### **Configurable Specifications**

Comigurable opecifications		
Parame	eter	Value
Absolut	e Sensitivity	1nW/cm <sup>2</sup> 10W/cm <sup>2</sup>
Spectra	al Sensitivity	UV-Broadband, UVA, UVB, UVC, UV-Index
Signal (	Output	05V, 420mA, USB, impulse count
Connec	ctions	2m cable or 2m cable with 5 pin male connector type Lumberg PRSFM5
Please find the configuration guide at page 2 of this datasheet		

## Calibration

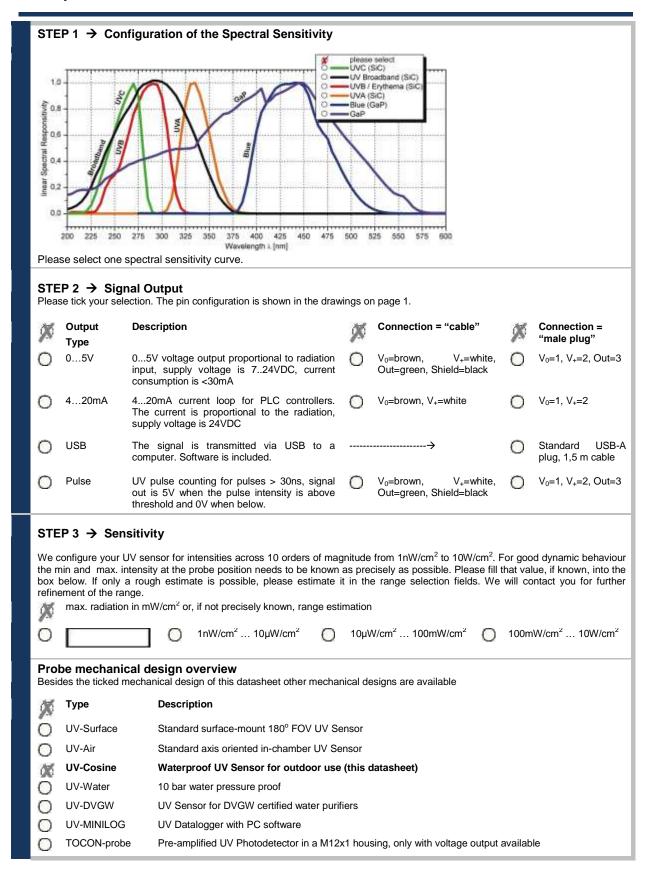


We are pleased to issue an individual quotation for NIST or PTB traceable calibration.

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