#### **UV SENSOR "UV-Surface"**

#### Standard surface-mount 180° FOV UV Sensor



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The sensor UV-Surface is a cosine corrected sensor to be used for industrial or scientific UV radiation measurements of radiation arriving at a surface, horizontal or vertical or any other orientation. On request it is also available in a submersible version. 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

-60 -30 0 30

## TOP VIEW 11 SOC VIEW BOTTOM VIEW

#### **Specifications**

#### **Fixed Specifications**

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Parameter	Value
Dimensions	pls. refer to the drawing
Weight	56 g
Temp. Coefficient	0,035%/K
Operating Temp.	-20+80℃

Humidity <80%, non condensing, on request: 100%

submersible

#### **Configurable Specifications**

Parameter	Value
Absolute Sensitivity	1nW/cm <sup>2</sup> 10W/cm <sup>2</sup>
Spectral Sensitivity	UV-Broadband, UVA, UVB, UVC, UV-Index
Signal Output	05V, 420mA, USB, impulse count
Connections	2m cable or 2m cable with 5 pin male connector type Lumberg PRSFM5

Drawing

Please find the configuration guide at page 2 of this datasheet.

#### **Monitor Accessories**



Please consider our UV monitor and UV controller offer.

#### Calibration

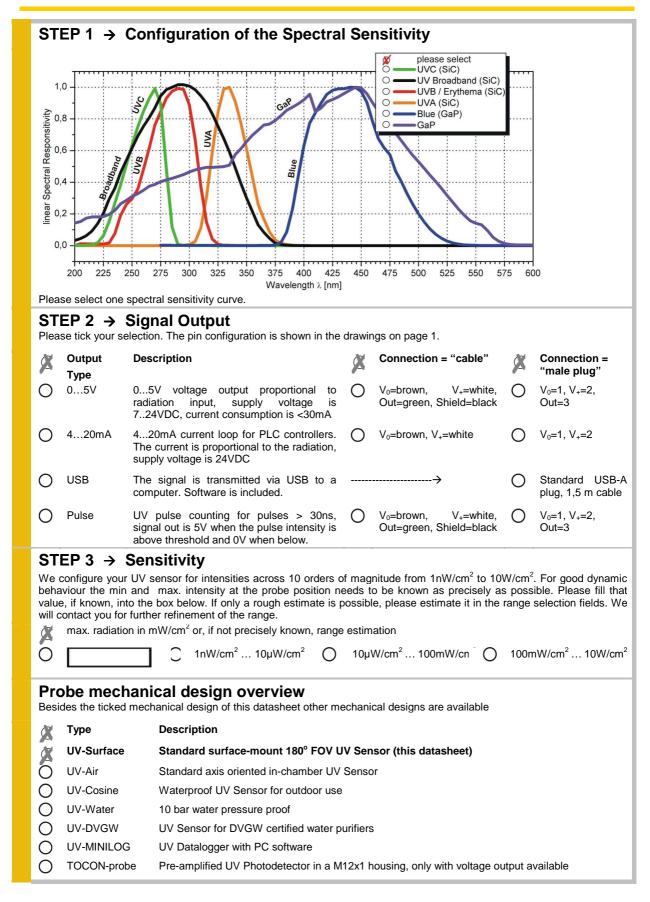


We are pleased to issue an individual quotation for NIST or PTB traceable calibration.

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### UV SENSOR "UV-Surface" Standard surface-mount 180° FOV UV Sensor





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