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

### UV Sensor "UV-Surface"

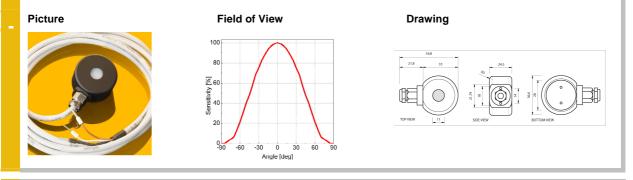
#### Standard surface-mount 180° FOV UV Sensor

sglux

The UV Experts

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  $>10^{10}$  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).



## **Specifications**

Fixed Specifications		Configurable Specifications	
Parameter	Value	Parameter	Value
Dimensions	pls. refer to the drawing	Absolute Sensitivity	1nW/cm <sup>2</sup> 10W/cm <sup>2</sup>
Weight	56 g	Spectral Sensitivity	UV-Broadband, UVA, UVB, UVC, UV-Index
Temp. Coefficient	0,035%/K	Signal Output	05V, 420mA, USB, impulse count
Operating Temp.	-20+80℃	Connections	2m cable or 2m cable with 5 pin male connector type Lumberg PRSFM5
Humidity	<80%, non condensing, on request: 100% submersible	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.

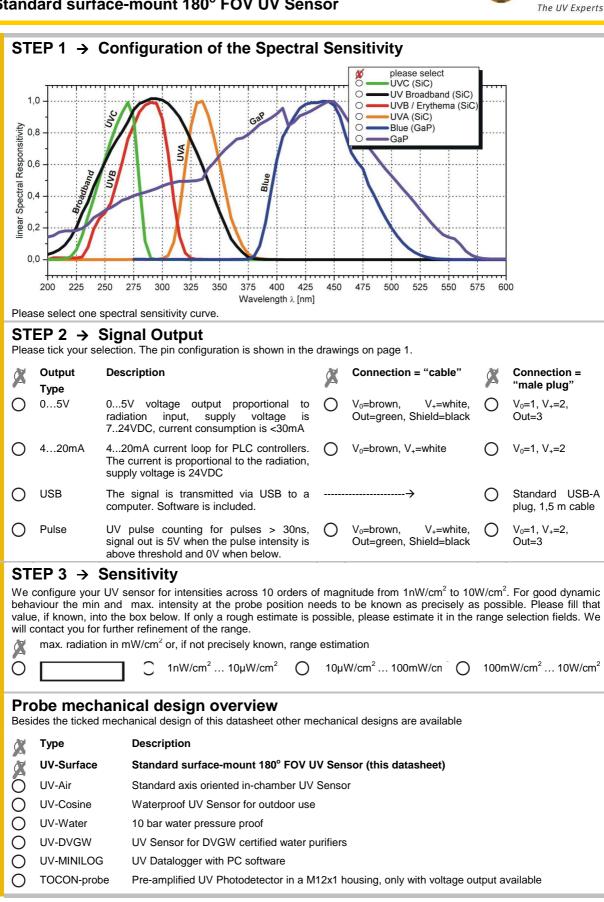
Rev. 2.0

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