# **UV SENSOR "UV-Water"**

## 10 bar water pressure proof



#### **UV Sensor "UV-Water"**

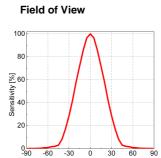
#### 10 bar water pressure proof

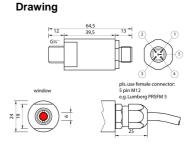
The sensor UV-Water is a water proof (10 bar or 150 psi) UV sensor to be included into pressurized water systems (G1/4" thread). This UV sensor is suited for use in food and beverages machinery. On request it is available in a submersible version. Available calibrated (NIST or PTB traceable) on request.

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**







Thread contact material PTFE and stainless steel 14305 only. Can only be used with low-pressure lamps up to 40W.

#### **Specifications**

Fixed Specifications	
Parameter	Value
Dimensions	pls. refer to the drawing
Weight	108 g
Temp. Coefficient	0,035%/K
Operating Temp.	-20+80°C
Humidity	<80%, non condensing,

100% request:

submersible

#### Configurable Specifications

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

### **Monitor Accessories**



Please consider our UV monitor and UV controller offer.



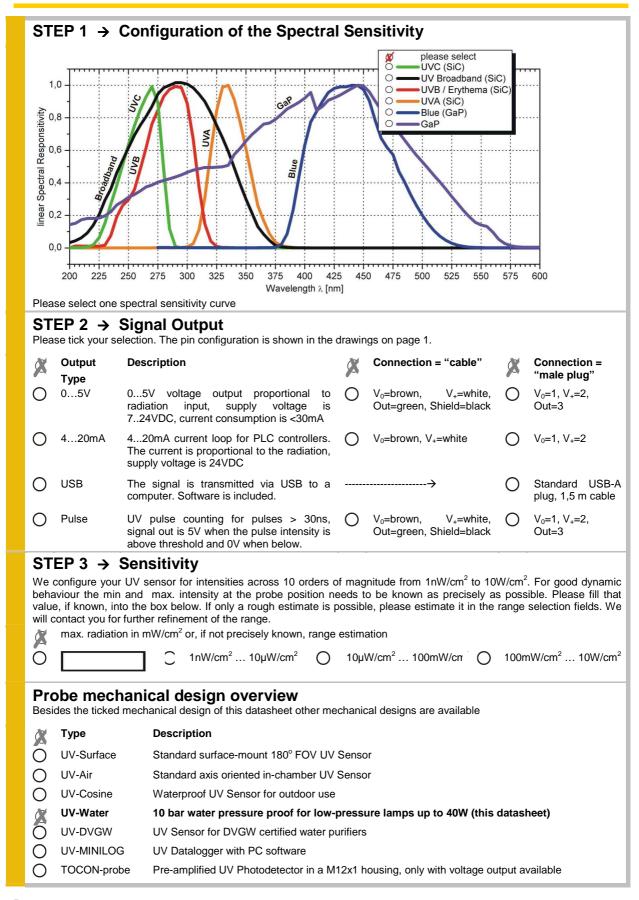
We are pleased to issue an individual quotation for NIST or PTB traceable calibration.

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