UV SENSOR "UV-Water-G3/4"

10 bar water pressure proof UV sensor with G3/4" thread



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10 bar water pressure proof UV sensor

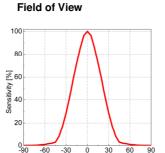
Thread contact material PTFE and stainless steel 14404 only. Usable with medium pressure lamps.

The sensor UV-Water-G3/4 is a water proof (10 bar or 150 psi) UV sensor to be included into pressurized water systems (G3/4" thread). This UV sensor is suited for use in food and beverages machinery. 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 >10¹⁰ 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





Angle [deg]

Specifications

Fixed Specifications

Parameter	Value
Dimensions	pls. refer to the drawing
Weight	195 g
Temp. Coefficient	0,035%/K
Operating Temp.	-20+80℃
Storage Temp.	-40…+80℃
Humidity at	<80%, non condensing

Rearside

Configurable Specifications	
Parameter	Value
Absolute Sensitivity	1nW/cm ² 10W/cm ²
Spectral Sensitivity	UV-Broadband, UVA, UVB, UVC, UV-Index
Signal Output	05V, 420mA, USB, impulse count
Connections	2m cable with 5 pin male connector type Lumberg PRSFM5
Please find the configuration guide at page 2 of this datasheet.	

Drawing

Monitor Accessories



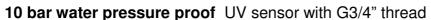
Please consider our UV monitor and UV controller offer.

Calibration

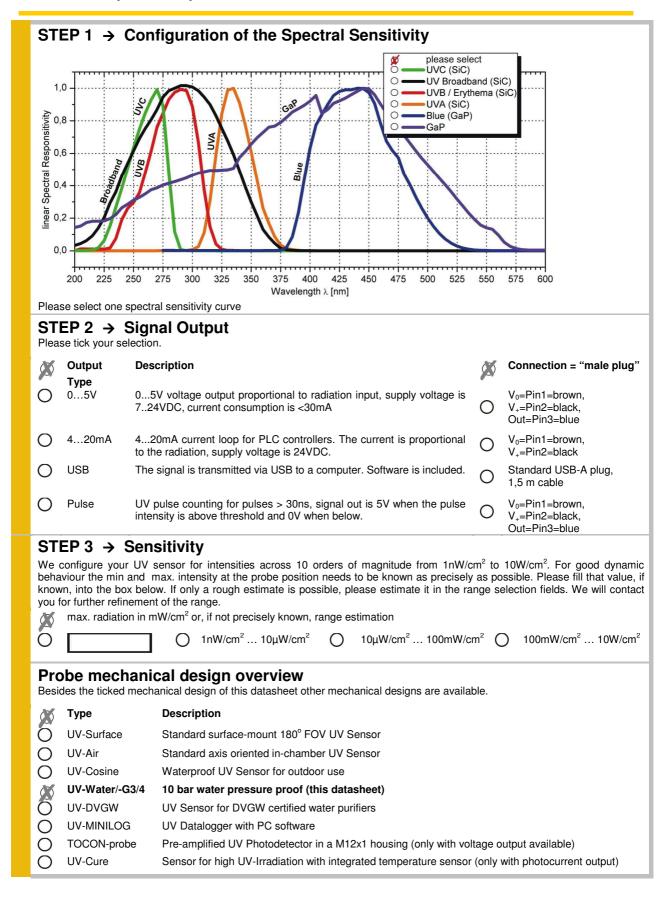
We are pleased to issue an individual quotation for NIST or PTB traceable calibration.

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