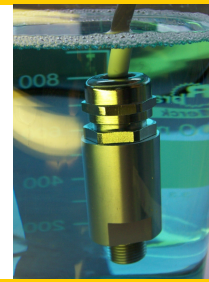


UV-Water Probe with 0-5V Output UVC Photodiode (SiC)

Part Number: UV_Water_C_AMP0-5V_submerge



Our probes of the **UV-Water** series are characterized by their 10bar water pressure resistance. They are well suited for measurements under water. The ¼" thread allows comfortable mounting at the measuring point.



UV_Water_C_AMP0-5V_submerge

Features of types UV_Water_C_AMP0-5V_submerge :

- **only for UVC measurement, e.g. for purification control, spectral sensitivity according to DVGW W294-3**
- **filtered, silicon carbide based UV photodiode for extreme radiation hardness**
- **integrated amplifier with 0..5V voltage output**
- **adjustable amplification factor adjustable**
- **stainless steel housing and cable connector**
- **permanent submersible in water, IP68 at the cable**
- **up to 10 bar water pressure resistant when screw mounted**
- **with ¼"-thread for comfortable mounting**
- **2m shielded cable**

Probes from the **UV-Water** series are available with the following details:

<i>Sensortype</i>	<i>Part Number</i>
with broadband photodiode	UV_Water_ABC_Design
with UVC photodiode DVGW W 294-3	UV_Water_C_Design
with Erythema Sensor DIN 5050 ISO 17166/CIE S 007/E	UV_Water_UV-Index_Design

<i>Design</i>	<i>Part Number</i>
with 4-20mA output and 2m cable	UV_Water_Sensortype_AMP4-20mA_cable
with 4-20mA output and 5 pin connector	UV_Water_Sensortype_AMP4-20mA_plug
with 0-5V output and 2m cable	UV_Water_Sensortype_AMP0-5V_cable
with 0-5V output and 5 pin connector	UV_Water_Sensortype_AMP0-5V_plug
without amplifier and with 2m cable	UV_Water_Sensortype_cable
without amplifier and with 5 pin connector	UV_Water_Sensortype_plug

Please consider the following probe series:

- *UV-Air* (compact stainless steel probe)
- *UV-Cosine* (with cosine correction and wide angle characteristics)
- *UV-DVGW* (probe according to DVGW W 294-3(2006))

UV-Water Probe with 0-5V Output UVC Photodiode (SiC)

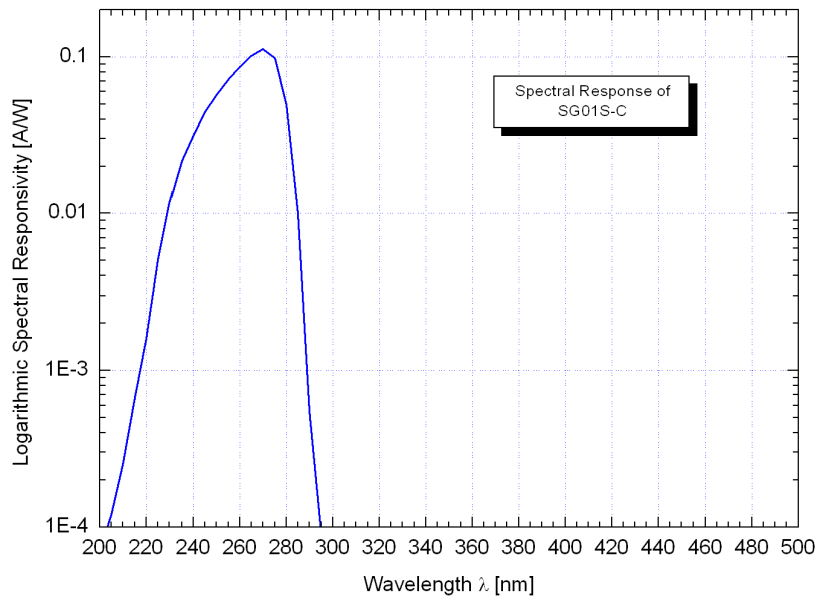
Part Number: UV_Water_C_AMP0-5V_submerge



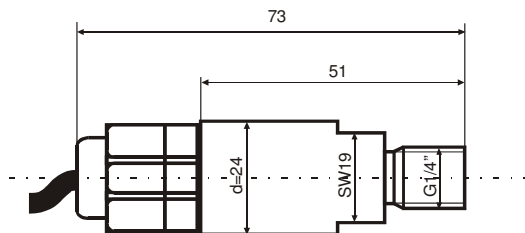
Technical Data ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Power supply	V_B	+7...24	V
Output signal	V_{OUT}	0...5	V
Power consumption	I_{max}	<30	mA
Linearity	L	2	%
Temperature drift	ΔT	0,03	W/m ² /K
Wavelength of max. sensitivity	λ_{Smax}	270	nm
Sensitivity range($S=0.1*S_{max}$)	–	230-285	nm

Spectral Sensitivity (Photodiode SG01S-C18)



Dimensions



configuration:

brown: V_0
white: V_s
green: Signal