

## UV-Water Probe with 4-20mA Output and UVC Photodiode (SiC)

UV\_Water\_C\_AMP4-20mA\_cable



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.

### Features of Typs UV\_Water\_C\_AMP4-20mA\_cable:

- **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**
- **Offset and amplification factor are adjustable**
- **Stainless steel housing with 10bar water pressure resistance**
- **With ¼"-thread for comfortable mounting**
- **2m shielded cable**

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

<b>Sensor type</b>	<b>Part Number</b>
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

<b>Design</b>	<b>Part Number</b>
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))

For Prices, delivery and to place an order, please contact Scitec Instruments Ltd at  
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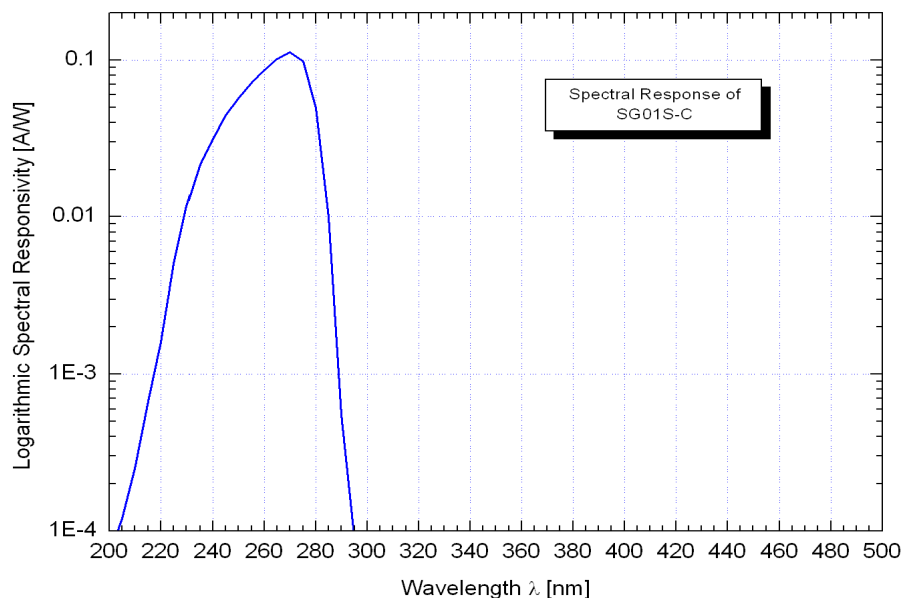
UV\_Water\_C\_AMP4-20mA\_cable



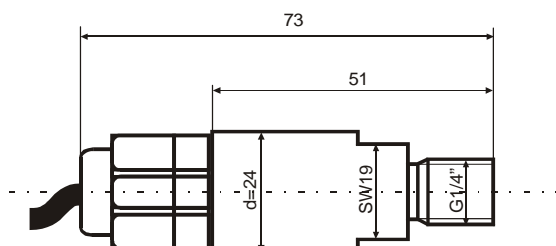
## Technical Data ( $T_a = 25\text{ }^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Power supply	$V_B$	24	V
Output signal	$I_{OUT}$	4...20	mA
Power consumption	$I_{max}$	<30	mA
Linearity	L	2	%
Temperature drift	$\Delta T$	0,03	W/m <sup>2</sup> /K
Wavelength of max. Sensitivity	$\lambda_{Smax}$	270	nm
Sensitivity range ( $S=0.1 \cdot S_{max}$ )	—	230 – 285	nm

## Spectral Sensitivity (Photodiode SG01S-C18)



## Dimensions



### configuration:

brown: 0  
white:  $V_+$

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