

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

UV_Water_C_AMP4-20mA_plug



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_plug:

- 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
- 5 pin sensor connector (connection e.g. Hirschmann ELKA 5012)
- Customized cable available

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

Sensor type	Part Number
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

Design	Part Number
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

For Prices, delivery and to place an order, please contact Scitec Instruments Ltd at Scitec Instruments Ltd, Bartles Industrial Estate, North Street, Redruth, Cornwall, England TR15 1HR
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or visit our website www.scitec.uk.com

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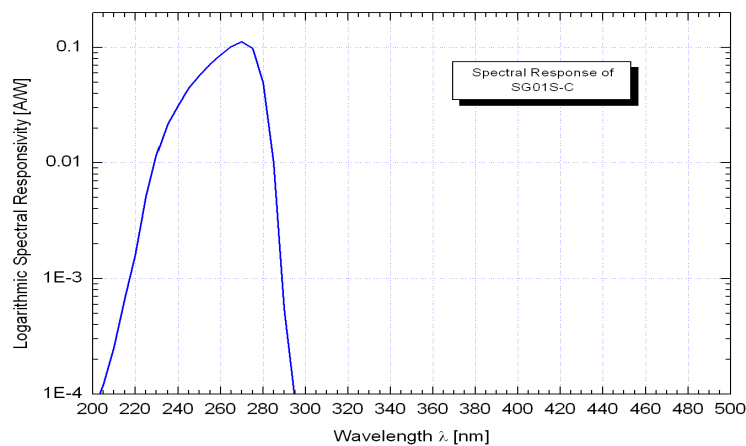
Please consider the following probe series:

- *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))

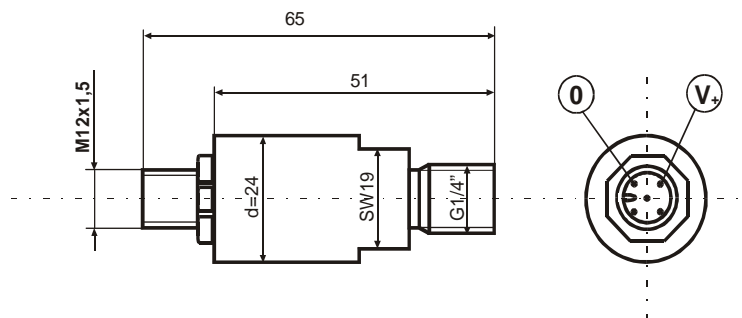
Technical Data ($T_a = 25\text{ }^\circ\text{C}$)

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	ΔT	0,03	W/m ² /K
Wavelength of max. sensitivity	λ_{Smax}	270	nm
Sensitivity range($S=0.1 \cdot S_{max}$)	–	230 – 285	nm

Spectral Sensitivity (Photodiode SG01S)



Dimensions



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