

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

UV_Air_C_AMP4-20mA_plug



Features of UV_Air_C_AMP4-20mA_plug:

- Only for UVC measurement, e.g. for purification control, spectral sensitivity according to DVGW W294-3
- Filtered, silicon carbide (SiC) based UV photodiode for extreme radiation hardness
- Integrated amplifier with 4-20mA voltage output
- Offset and amplification factor are adjustable
- With M22 thread for comfortable mounting
- Handy and solid stainless steel housing, IP65 at back
- With Teflon diffuser for cosine correction
- 5 pin sensor connector (connection e.g. Hirschmann ELKA 5012)
- Customized cable available

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

Sensor type	Part Number
With broadband photodiode	UV_Air_ABC_Design
With UVC photodiode DVGW W 294-3	UV_Air_C_Design
With Erythema Sensor DIN 5050 ISO 17166/CIE S 007/E	UV_Air_UV-Index_Design

Design	Part Number
With 4-20mA output and 2m cable	UV_Air_Sensortype_AMP4-20mA_cable
With 4-20mA output and 5 pin connector	UV_Air_Sensortype_AMP4-20mA_plug
With 0-5V output and 2m cable	UV_Air_Sensortype_AMP0-5V_cable
With 0-5V output and 5 pin connector	UV_Air_Sensortype_AMP0-5V_plug
Without amplifier	UV_Air_Sensortype_cable

Please consider the following probe series:

- UV-Water (10bar water pressure resistant)
- UV-Cosine (with wide angle characteristic, cosine correction)
- UV-DVGW (probe compliant to DVGW W 294-3(2006))

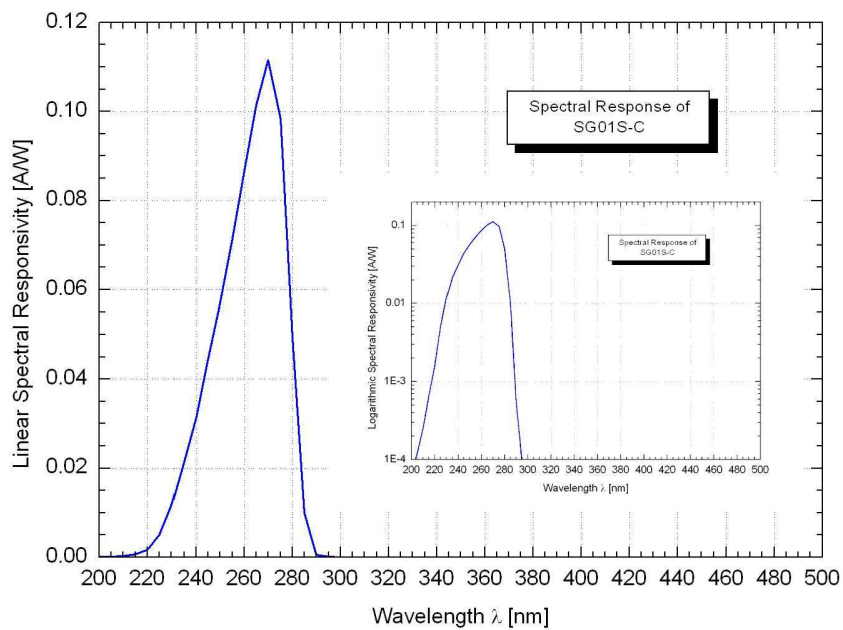
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Technical Data ($T_a = 25\text{ }^\circ\text{C}$)

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

