

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

Part Number: UV\_Air\_C\_AMP4-20mA\_plug



Our probes from the **UV-Air®** series are characterized by a solid and compact design. A male thread allows various mounting possibilities at the measuring point.



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:

<i>Sensortype</i>	<i>Part Number</i>
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

<i>Design</i>	<i>Part Number</i>
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-Air<sup>®</sup> Probe with 4-20mA Output and UVC Photodiode (SiC)**

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- UV-Cosine (with wide angle characteristic, cosine correction)
- UV-DVGW (probe compliant to DVGW W 294-3(2006))

# UV-Air<sup>®</sup> Probe with 4-20mA Output and UVC Photodiode (SiC)

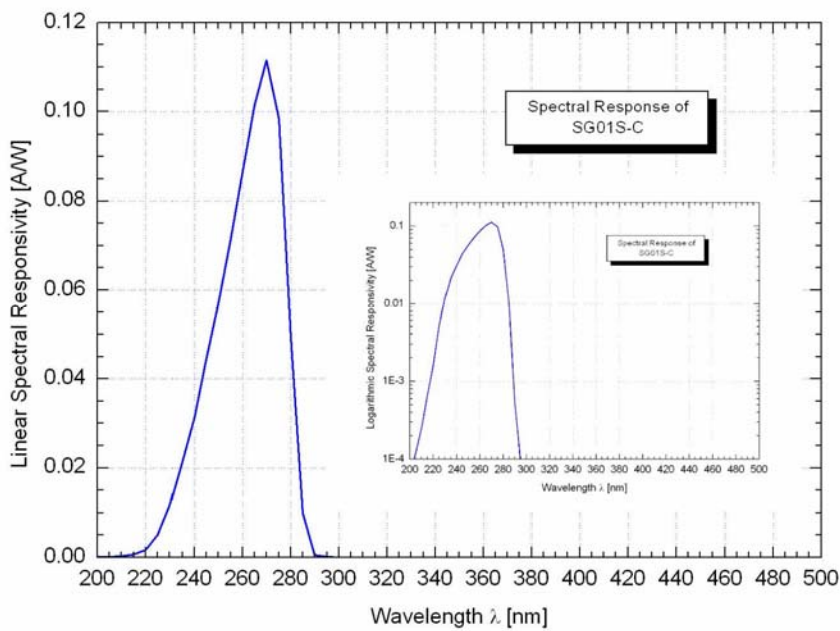
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## Technical Data (T<sub>a</sub> = 25 °C)

Parameter	Symbol	Value	Unit
Power supply	V <sub>B</sub>	24	V
Output signal	I <sub>OUT</sub>	4...20	mA
Power consumption	I <sub>max</sub>	<30	mA
Linearity	L	2	%
Temperature drift	ΔT	0,03	W/m <sup>2</sup> /K
Wavelength of max. sensitivity	λ <sub>Smax</sub>	270	nm
Sensitivity range(S=0.1*S <sub>max</sub> )	–	230 - 285	nm

## Spectral Sensitivity (photodiode SG01S)



## Dimensions

