

UV-Air Probe with 4-20mA Output and Broadband SiC Photodiode

UV_Air_ABC_AMP4-20mA_plug



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Features of UV_Air_ABC_AMP4-20mA_plug:

- **Broadband UVA-UVB-UVC-measurement (see spectral curve p.2)**
- **Integrated amplifier with 0..5V voltage output**
- **Offset and amplification factor are adjustable**
- **With M22 thread for comfortable mounting**
- **Silicon Carbide based Photodiode (SiC) for extreme radiation hardness**
- **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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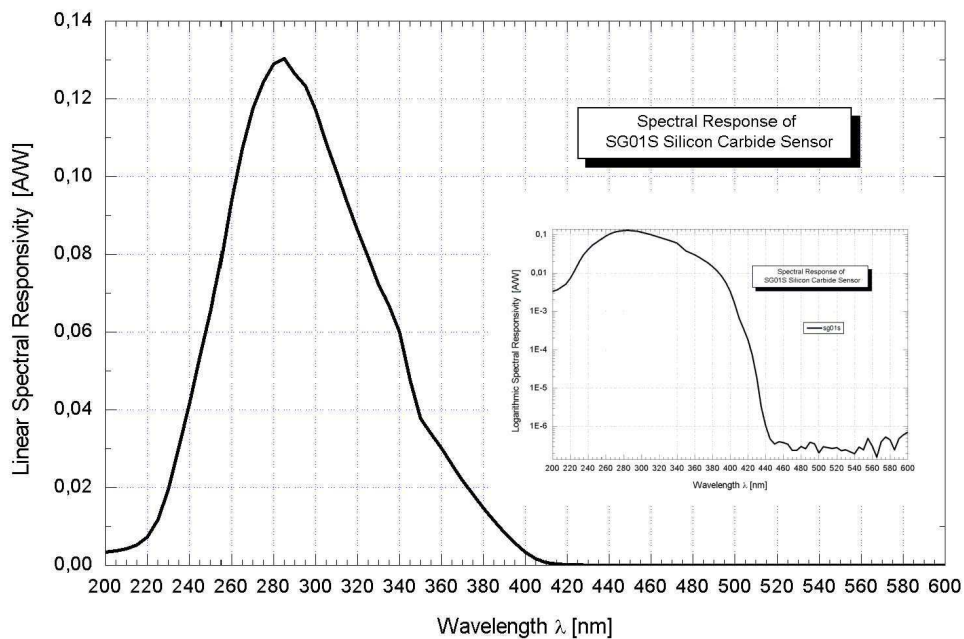
UV_Air_ABC_AMP4-20mA_plug



Technical Data (T_a = 25 °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}	285	nm
Sensitivity range (S=0.1*S _{max})	–	225 - 380	nm

Spectral Sensitivity (photodiode SG01S)



Dimensions

