

UV-Air[®] Probe with 4-20mA Output and Erythema Photodiode

Part Number: UV_Air_UV-Index_AMP4-20mA_cable



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_UV-Index_AMP4-20mA_cable

Features of UV_Air_UV-Index_AMP4-20mA_cable :

- for measurement of erythema causing UV radiation according to ISO 17166 CIE S 007/E (2000) – DIN 5050
- integrated amplifier with 4...20mA output
- offset and amplification factor are adjustable
- with M22 thread for comfortable mounting
- handy and solid stainless steel housing, IP65 at back
- with teflon diffusor for cosine correction
- 2m shielded cable

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

UV-Air[®] Probe with 4-20mA Output and Erythema Photodiode

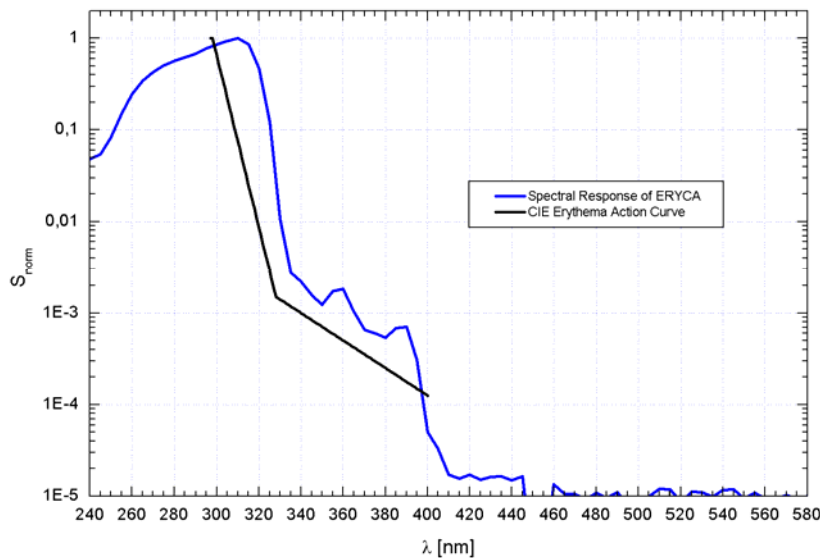
Part Number: UV_Air_UV-Index_AMP4-20mA_cable



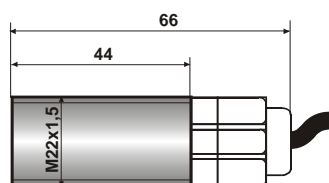
Technical Data (T_a = 25 °C)

| 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} | 310 | nm |
| Sensitivity range(S=0.1*S _{max}) | – | 250-325 | nm |

Spectral Sensitivity (photodiode ERYCA)



Dimensions



configuration:

brown: 0
white: V₊

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