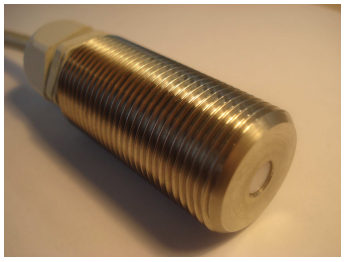
UV-Air Probe with 4-20mA Output and Erythema Photodiode

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 diffuser for cosine correction**
- **2m shielded cable**

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

Sensortype	**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))

For Prices, delivery and to place an order, please contact Scitec Instruments Ltd at
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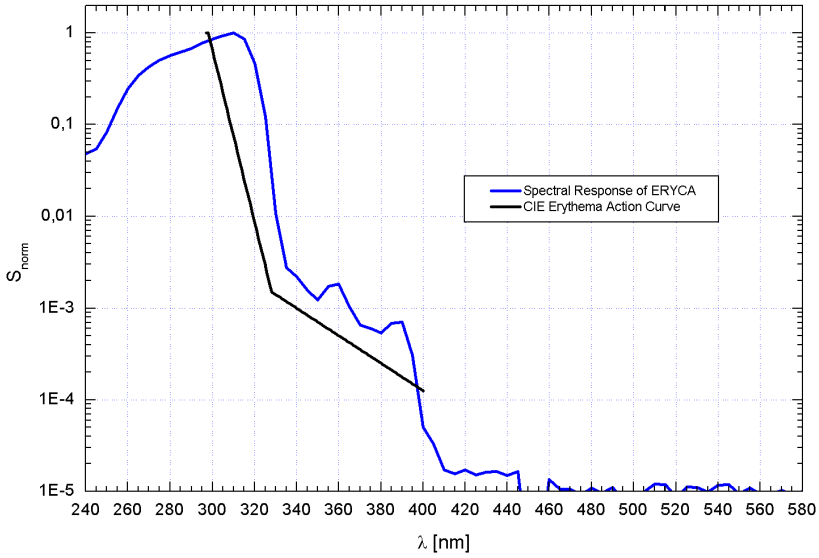
Tel: +44(0)1209 314 608, Fax +44(0)01209 314609
or visit our website www.scitec.uk.com

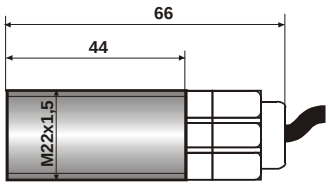
Technical Data (T_a = 25 ℃)

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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