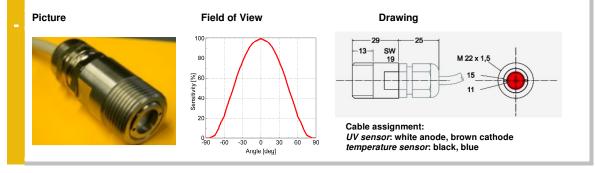
UV SENSOR "UV-Cure"

For monitoring of high UV radiation in curing and drying processes, 170 °C permanent operating temperature

"UV-Cure" – Sensor for high UV-Irradiation with integrated temperature sensor

The sensor **UV-Cure** is an axial looking UV sensor for measurement of high UV radiation at high temperatures (up to 170 °C) in curing and drying processes. It has an integrated temperature sensor and a diffuser made of radiation hard and temperature resistant microporous fused silica glass. A male thread (M22x1,5) allows many mounting possibilities inside UV radiation chambers. Available calibrated (NIST or PTB traceable) on request.

The visible blind sensors are based on a Silicon Carbide (SiC) UV photodiode, which guarantees highest radiation hardness, long term stability and $>10^{10}$ visible blindness (ratio of UV to VIS-IR sensitivity). Blue and GaP type sensors are based on a Galliumphosphide (GaP) UV photodiode.



Specifications			
Fixed specifications		Configurable Specifications	
Parameter	Value	Parameter	Value
Dimensions Weight Temp. Coefficient Operating Temp. Storage Temp.	Pls. refer to the drawing 140 g <0,1%/K -55+170℃ -55+170℃	Spectral Sensitivity	10mW/cm ² 10W/cm ² UV-Broadband, UVA, UVB, UVC, blue, VIS
Signal output Signal temp. sensor Connection	Photocurrent Electrical resistance PT100 Type K, class B 2m cable		

Signal output



The UV-Cure's signal output is photodiode current (some nA).

Due to high temperatures in drying and curing processes, the signal amplification needs to be performed with an external amplifier. For this purpose our RADIKON with 0...10V output voltage and switching relays is well suited.

Our Sensor Monitor series can be used as displaying unit with integrated amplifier.

Rev. 1.0

page 1

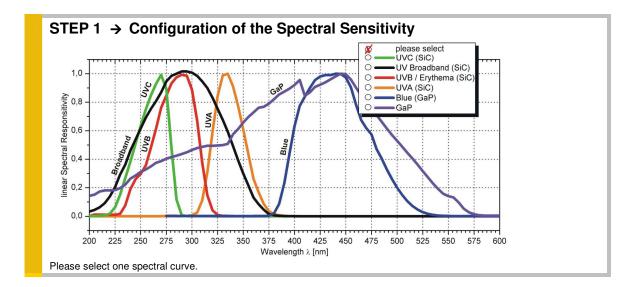
The UV Experts

Manufacturer: sglux GmbH, Max-Planck-Str. 3, D-12489 Berlin, Tel. +49 30 5301 5211, Fax +49 30 5301 5209 mail: welcome@sglux.de - web: www.sglux.de - WEEE No. DE 76297302

UV SENSOR "UV-Cure"



For monitoring of high UV radiation in curing and drying processes, 170 °C permanent operating temperature



STEP 2 \rightarrow Sensitivity			
We configure your UV sensor to the irradiance you need to measure. For good dynamic behaviour the min. and max. intensity at the probe position needs to be known as precisely as possible. Please fill that value, if known, into the box below. If only a rough estimate is possible, please estimate it in the range selection fields. We will contact you for further refinement of the range.			
max. radiation in mW/cm ² or, if not precisely known, range estimation			
O 10mW/cm ² 100mW/cm ² 100mW/cm ² 1W/cm ² 1W/cm ² 10W/cm ²			

Manufacturer: sglux GmbH, Max-Planck-Str. 3, D-12489 Berlin, Tel. +49 30 5301 5211, Fax +49 30 5301 5209 mail: welcome@sglux.de - web: www.sglux.de - WEEE No. DE 76297302