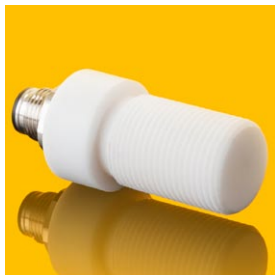


# UV Sensor "UV-Sanitize"

UV sensor for hospital sterilization systems control

## GENERAL FEATURES



### Properties of this sensor

According to the WHO worldwide hundreds of millions hospitalized patients are affected by healthcare-associated infections (HAI). Hygienic rules and precautions are necessary to prevent patients of HAIs which also include multiple drug resistant germs.

Besides chemical treatments, sterilization of surfaces by using UVC radiation from Hg low pressure or pulsed Xenon sources is widespread in hospitals and medical facilities. This is realized with irradiation chambers for smaller parts, fixed lamp systems or mobile irradiance robots to sterilize complete hospital rooms. Especially the latter systems need

the collaboration with a UV sensor measuring the germicidal radiation in certain points of a room to teach the systems and the user about the UVC distribution inside a treated room. With the sglux sensor „UV-Sanitize“, treatment times and germicidal dose can be evaluated and optimized and less treated parts of rooms can be determined.

The sensor can be configured to monitor continuous irradiance generated from Hg low pressure lamps as well as for flash light emitted by a Xenon source.

## SPECIFICATIONS

### FIXED SPECIFICATIONS

Parameter	Value
Dimensions	please refer to drawing on page 2
Weight	27 g
Temperature Coefficient (30 to 65°C)	0.05 to 0.075%/K
Operating Temperature	-25 to +80°C
Storage Temperature	-40 to +80°C
Spectral Sensitivity	UVC = microbicidal filtered SiC photodiode

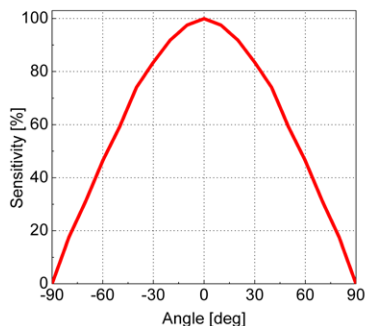
### CONFIGURABLE SPECIFICATIONS

Parameter	Value
Signal Output	0 to 5 V or 4 to 20 mA
Current Consumption	for 0 to 5 V = < 30 mA / for 4 to 20 mA = signal out
Connections	cable = 2 m cable with tinned leads on free end plug = 5 pin male connector with 2 m cable with tinned leads on free end
Measuring Range	between 1 nW/cm <sup>2</sup> to 1 µW/cm <sup>2</sup> and 20 mW/cm <sup>2</sup> to 20 W/cm <sup>2</sup>

# UV Sensor "UV-Sanitize"

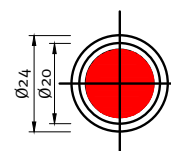
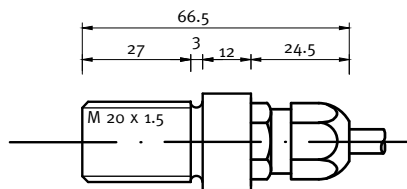
UV sensor for hospital sterilisation systems control

## FIELD OF VIEW



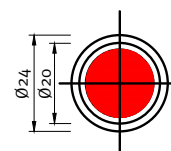
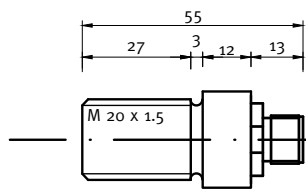
## DRAWING

### ANALOG CABLE

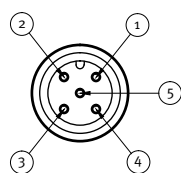


window view

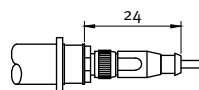
### ANALOG PLUG



window view



connector view  
5 pin M 12 x 1  
RSFM5



plug connection  
5 pin M 12 x 1  
e.g. Lumberg PRSFM 5

## SPECTRAL RESPONSIVITY

